EXHIBIT 17

CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER:

020687Orig1s020

OTHER REVIEW(S)

FOOD AND DRUG ADMINISTRATION Center for Drug Evaluation and Research

****Pre-decisional Agency Information****

Memorandum Date: March 29, 2016 (b) (6) To: (b) (6) From: Subject: Labeling comments for NDA 20687/S-20 MIFEPREX (mifepristone) tablets This consult review is in response to (b) (6) consult request dated July 29, 2015 for review of draft labeling for MIFEPREX (mifepristone) tablets. reviewed the proposed substantially complete version of the PI sent via email on March 10, 2016. Our comments on the PI are included directly on the attached copy of the labeling. (b) (6) Our review of the Medication Guide will be conducted jointly with the and filed under separate cover.

24 Page(s) of Draft Labeling have been Withheld in Full as b4 (CCI/TS) immediately following this page

appreciates the opportunity to provide comments on these materials. If

you have any questions or concerns, please contact

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03/29/2016

FDA 0712

Department of Health and Human Services Public Health Service Food and Drug Administration Center for Drug Evaluation and Research

(b) (6) LABELING REVIEW

Date:	March 21, 2016
То:	(b) (6)
	(b) (6
	((6)
Through:	(b) (6)
	Labeling (b) (6) (c) (d) (d)
	(b) (6)
	Labeling (b) (6) (c) (b) (6)
From:	(b) (6)
Tiom.	Labeling Reviewer
	(b) (6) ((b) (6)
	(b) (6)
	Regulatory Review Officer (b) (6) (c) (b) (6)
	D ' CD (' (I I I' N(I' (' C ' I O(C)
Subject:	Review of Patient Labeling: Medication Guide (MG)
Drug Name (established name):	Mifeprex (mifepristone)
Dosage Form and Route:	tablets, for oral use
Application Type/Number:	NDA 020687
Supplement Number:	0-20
Applicant:	Danco Laboratories, LLC (Danco)

1 INTRODUCTION

On May 28, 2015, Danco submitted for the Agency's review a Prior Approval Supplement Application (Supplement 020) for Mifeprex (mifepristone) tablets, 200mg, for oral use. This submission includes, but is not limited to, proposed changes in the Prescribing Information (PI) based on the Physician Labeling Rule (PLR). Mifeprex (mifepristone) is indicated, in a regimen with misoprostol, for the medical termination of intrauterine pregnancy through 70 days gestation.

This collaborative review is written by the (b)(6) and the request by the representation of the review the Applicant's proposed MG for Mifeprex (mifepristone) Tablets, 200mg.

2 MATERIAL REVIEWED

- Draft Mifeprex (mifepristone) tablets, 200mg, for oral use MG received on May 28, 2015, revised by the Review Division throughout the review cycle, and received by on March 9, 2016.
- Draft Mifeprex (mifepristone) tablets, 200mg, for oral use MG received on May 28, 2015, revised by the Review Division throughout the review cycle, and received by (b) (6) on March 17, 2016.
- Draft Mifeprex (mifepristone) tablets, 200mg, for oral use Prescribing Information (PI) received on May 28, 2015, revised by the Review Division throughout the review cycle, and received by on March 9, 2016.
- Draft Mifeprex (mifepristone) tablets, 200mg, for oral use Prescribing Information (PI) received on May 28, 2015, revised by the Review Division throughout the review cycle, and received by (b) (6) on March 10, 2016.

3 REVIEW METHODS

In 2008 the American Society of Consultant Pharmacists Foundation (ASCP) in collaboration with the American Foundation for the Blind (AFB) published Guidelines for Prescription Labeling and Consumer Medication Information for People with Vision Loss. The ASCP and AFB recommended using fonts such as Verdana, Arial or APHont to make medical information more accessible for patients with vision loss. We have reformatted the MG document using the Ariel font, size 10.

In our collaborative review of the MG we have:

- simplified wording and clarified concepts where possible
- ensured that the MG is consistent with the Prescribing Information (PI)
- rearranged information due to conversion of the PI to Physicians Labeling Rule (PLR) format

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 7 of 84

- removed unnecessary or redundant information
- ensured that the MG is free of promotional language or suggested revisions to ensure that it is free of promotional language
- ensured that the MG meets the criteria as specified in FDA's Guidance for Useful Written Consumer Medication Information (published July 2006)
- ensured that the MG meets the Regulations as specified in 21 CFR 208.20.

CONCLUSIONS

The MG is acceptable with our recommended changes.

RECOMMENDATIONS

- (b) (6) and (b) (6) on the • Please send these comments to the Applicant and copy correspondence.
- Our collaborative review of the MG is appended to this memorandum. Consult (b) (6) regarding any additional revisions made to the PI to determine if corresponding revisions need to be made to the MG.

Please let us know if you have any questions.

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505(b)(2) ASSESSMENT

Application Information			
NDA # 20687	NDA Supplement #: S-	020	Efficacy Supplement Type SE- 2
Proprietary Name: Mife	prex		
Established/Proper Name	e: mifepristone		
Dosage Form: tablet			
Strengths: 200 mcg			
Applicant: Danco Labor	ratories, LLC		
Date of Receipt: May 29	9, 2015		
PDUFA Goal Date: March 29, 2016 Action Goal Date (if different):			Goal Date (if different):
(b) (6)			
Proposed Indication(s): Mifeprex is a progestin antagonist indicated, in a regimen with misoprostol, for the medical termination of intrauterine pregnancy through 70 days gestation.			
	CENEDAL IN	FODM	TION
	GENERAL IN	FUKIVIA	ATION
1) Is this application for a recombinant or biologically-derived product and/or protein or peptide product <i>OR</i> is the applicant relying on a recombinant or biologically-derived product and/or protein or peptide product to support approval of the proposed product? YES NO			
If "YES "contact the (b)(2) review staff in the Immediate Office, Office of New Drugs.			

Page 1 Version: January 2015

FDA 0717

INFORMATION PROVIDED VIA RELIANCE (LISTED DRUG OR LITERATURE)

2) List the information essential to the approval of the proposed drug that is provided by reliance on our previous finding of safety and efficacy for a listed drug by reliance on published literature, or by reliance on a final OTC monograph. (If not clearly identified by the applicant, this information can usually be derived from annotated labeling.)

Source of information* (e.g., published literature, name of listed drug(s), OTC final drug monograph)	Information relied-upon (e.g., specific sections of the application or labeling)
Published Literature	Indications and Usage Dosage and Administration Warnings and Precautions Adverse Reactions Clinical Studies

^{*}each source of information should be listed on separate rows, however individual literature articles should not be listed separately

3) The bridge in a 505(b)(2) application is information to demonstrate sufficient similarity between the proposed product and the listed drug(s) or to justify reliance on information described in published literature for approval of the 505(b)(2) product. Describe in detail how the applicant bridged the proposed product to the listed drug(s) and/or published literature¹. See also Guidance for Industry Providing Clinical Evidence of Effectiveness for Human Drug and Biological Products.

The drug product used in the cited literature is the applicant's approved drug product.

RELIANCE ON PUBLISHED LITERATURE

4)	(a) Regardless of whether the applicant has explicitly stated a reliance on published literature to support their application, is reliance on published literature necessary to support the approval of the proposed drug product (i.e., the application <i>cannot</i> be approved as labeled without the published literature)?
	YES NO
	If "NO," proceed to question #5
	(b) Does any of the published literature necessary to support approval identify a specific (e.g. brand name) <i>listed</i> drug product?
	YES NO
	If "NO", proceed to question #5
	If "YES", list the listed drug(s) identified by name and answer question $\#4(c)$
	NDA 020687 Mifeprex (mifepristone) Tablet

¹For 505(b)(2) applications that rely on a listed drug(s), bridging studies are often BA/BE studies comparing the proposed product to the listed drug(s). Other examples include: comparative physicochemical tests and bioassay; preclinical data (which may include bridging toxicology studies); pharmacokinetic/pharmacodynamic (PK/PD) data; and clinical data (which may include immunogenicity studies). A bridge may also be a scientific rationale that there is an adequate basis for reliance upon FDA's finding of safety and effectiveness of the listed drug(s). For 505(b)(2) applications that rely upon literature, the bridge is an explanation of how the literature is scientifically sound and relevant to the approval of the proposed 505(b)(2) product

Page 2 FDA 0718 Version: January 2015

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 11 of 84

(c) Are the drug product(s) listed in (b) identified by the applicant as the listed drug(s)?
YES NO 🗵
The studies described in the literature used the applicant's approved drug product
mifepristone 200 mcg, but the applicant did not conduct the studies and does not own or
have right of reference to the studies/specific data described in the literature submitted

¹For 505(b)(2) applications that rely on a listed drug(s), bridging studies are often BA/BE studies comparing the proposed product to the listed drug(s). Other examples include: comparative physicochemical tests and bioassay; preclinical data (which may include bridging toxicology studies); pharmacokinetic/pharmacodynamic (PK/PD) data; and clinical data (which may include immunogenicity studies). A bridge may also be a scientific rationale that there is an adequate basis for reliance upon FDA's finding of safety and effectiveness of the listed drug(s). For 505(b)(2) applications that rely upon literature, the bridge is an explanation of how the literature is scientifically sound and relevant to the approval of the proposed 505(b)(2) product

Reference ID: 3909569 Page 3 FDA 0719
Version: January 2015

RELIANCE ON LISTED DRUG(S)

Reliance on published literature which identifies a specific approved (listed) drug constitutes reliance on that listed drug. Please answer questions #5-9 accordingly.

5)	Regardless of whether the applicant has explicitly cited reliance on listed drug(s), does the application rely on the finding of safety and effectiveness for one or more listed drugs (approved drugs) to support the approval of the proposed drug product (i.e., the application cannot be approved without this reliance)?		
		YES If "NO," pro	\square NO \boxtimes ceed to question #10.
6)	6) Name of listed drug(s) relied upon, and the NDA explicitly identified the product as being relied u		the applicant
	Name of Listed Drug	NDA#	Did applicant specify reliance on the product? (Y/N)
7)	Applicants should specify reliance on the 350 certification/statement. If you believe there is explicitly identified as such by the application.	reliance on a listed prod nt, please contact the (b) Immediate Office,	luct that has not been (2) review staff in the Office of New Drugs.
')	7) If this is a (b)(2) supplement to an original (b)(2) application, does the supplement rely upon the same listed drug(s) as the original (b)(2) application? N/A YES NO		
ļ	If this application is a $(b)(2)$ supplement to an ori	ginal (b)(1) application a	
	If "NO", please contact the $(b)(2)$ review staff		
8)	8) Were any of the listed drug(s) relied upon for the a) Approved in a 505(b)(2) application?	YES	NO
	Name of drug(s) approved in a 505(0 1	se usi which arig(s).
	b) Approved by the DESI process?	YES If " YES " plea	☐ NO ☐ see list which drug(s).
	Name of drug(s) approved via the D		se usi muen anug(s).
	c) Described in a final OTC drug monograph?	YES If " YES ", plea	☐ NO ☐ see list which drug(s).

Page 4 Version: *January 2015*

FDA 0720

Name of drug(s) described in a final OTC drug monograph:
d) Discontinued from marketing? YES NO
If " YES ", please list which drug(s) and answer question d) i. below. If " NO ", proceed to question #9.
Name of drug(s) discontinued from marketing:
i) Were the products discontinued for reasons related to safety or effectiveness? YES NO
(Information regarding whether a drug has been discontinued from marketing for reasons of safety or effectiveness may be available in the Orange Book. Refer to section 1.11 for an explanation, and section 6.1 for the list of discontinued drugs. If a determination of the reason for discontinuation has not been published in the Federal Register (and noted in the Orange Book), you will need to research the archive file and/or consult with the review team. Do not rely solely on any statements made by the sponsor.)
9) Describe the change from the listed drug(s) relied upon to support this (b)(2) application (for example, "This application provides for a new indication, otitis media" or "This application provides for a change in dosage form, from capsule to solution").
The purpose of the following two questions is to determine if there is an approved drug product that is equivalent or very similar to the product proposed for approval that should be referenced as a listed drug in the pending application.
The assessment of pharmaceutical equivalence for a recombinant or biologically-derived product and/or protein or peptide product is complex. If you answered YES to question #1 , proceed to question #12; if you answered NO to question #1 , proceed to question #10 below.
10) (a) Is there a pharmaceutical equivalent(s) to the product proposed in the 505(b)(2) application that is already approved (via an NDA or ANDA)?
(Pharmaceutical equivalents are drug products in identical dosage forms intended for the same route of administration that: (1) contain identical amounts of the identical active drug ingredient, i.e., the same salt or ester of the same therapeutic moiety, or, in the case of modified release dosage forms that require a reservoir or overage or such forms as prefilled syringes where residual volume may vary, that deliver identical amounts of the active drug ingredient over the identical dosing period; (2) do not necessarily contain the same inactive ingredients; and (3) meet the identical compendial or other applicable standard of identity, strength, quality, and purity, including potency and, where applicable, content uniformity, disintegration times, and/or dissolution rates. (21 CFR 320.1(c), FDA's "Approved Drug Products with Therapeutic Equivalence Evaluations" (the Orange Book)).
Note that for proposed combinations of one or more previously approved drugs, a pharmaceutical equivalent must also be a combination of the same drugs.
YES NO
If "NO" to (a) proceed to question #11.

Page 5 Version: *January 2015* FDA 0721

If "YES" to (a), answer (b) and (c) then proceed to question #12.			
(b) Is the pharmaceutical equivalent approved for the same indication for which the			
505(b)(2) application is seeking approval? YES NO			
(c) Is the listed drug(s) referenced by the application a pharmaceutical equivalent? N/A \square YES \square NO \square			
If this application relies only on non product-specific published literature, answer "N/A" If "YES" to (c) <u>and</u> there are no additional pharmaceutical equivalents listed, proceed to question #12. If "NO" <u>or</u> if there are additional pharmaceutical equivalents that are not referenced by the application, list the NDA pharmaceutical equivalent(s); you do <u>not</u> have to individually list all of the products approved as ANDAs, but please note below if approved approved generics are listed in the Orange Book. Please also contact the (b)(2) review staff in the Immediate Office, Office of New Drugs.			
Pharmaceutical equivalent(s):			
11) (a) Is there a pharmaceutical alternative(s) already approved (via an NDA or ANDA)?			
(Pharmaceutical alternatives are drug products that contain the identical therapeutic moiety, or its precursor, but not necessarily in the same amount or dosage form or as the same salt or ester. Each such drug product individually meets either the identical or its own respective compendial or other applicable standard of identity, strength, quality, and purity, including potency and, where applicable, content uniformity, disintegration times and/or dissolution rates. (21 CFR 320.1(d)) Different dosage forms and strengths within a product line by a single manufacturer are thus pharmaceutical alternatives, as are extended-release products when compared with immediate- or standard-release formulations of the same active ingredient.)			
Note that for proposed combinations of one or more previously approved drugs, a pharmaceutical alternative must also be a combination of the same drugs.			
YES NO If "NO", proceed to question #12.			
(b) Is the pharmaceutical alternative approved for the same indication for which the			
505(b)(2) application is seeking approval? YES NO			
(c) Is the approved pharmaceutical alternative(s) referenced as the listed drug(s)?			
If this application relies only on non product-specific published literature, answer "N/A" If "YES" and there are no additional pharmaceutical alternatives listed, proceed to question #12.			
If " NO " or if there are additional pharmaceutical alternatives that are not referenced by the application, list the NDA pharmaceutical alternative(s); you do <u>not</u> have to individually list all of the products approved as ANDAs, but please note below if approved generics are listed in			

Page 6 Version: *January 2015* FDA 0722 the Orange Book. Please also contact the (b)(2) review staff in the Immediate Office, Office of New Drugs.

Pharmaceutical alternative(s):

PATENT CERTIFICATION/STATEMENTS

drug(s)		s listed in the Orange Book for the listed ctiveness is relied upon to support approval of
	Listed drug/Patent number(s):	
	No patents listed	proceed to question #14
	listed in the Orange Book for the listed	certification or statement) all of the unexpired drug(s) relied upon to support approval of the
If ".	NO ", list which patents (and which list	ed drugs) were not addressed by the applicant.
	Listed drug/Patent number(s):	
		es the application contain? (Check all that pe of certification was made, as appropriate.)
	No patent certifications are required (published literature that does not cite	e.g., because application is based solely on a specific innovator product)
	21 CFR 314.50(i)(1)(i)(A)(1): The partial FDA. (Paragraph I certification)	atent information has not been submitted to
	21 CFR 314.50(i)(1)(i)(A)(2): The pa	atent has expired. (Paragraph II certification)
	Patent number(s):	
	21 CFR 314.50(i)(1)(i)(A)(3): The da III certification)	ate on which the patent will expire. (Paragraph
	Patent number(s):	Expiry date(s):
	infringed by the manufacture, use, or	V certification). If Paragraph IV certification
	21 CFR 314.50(i)(3): Statement that NDA holder/patent owner (must also	applicant has a licensing agreement with the submit certification under 21 CFR

Page 7 Version: January 2015

FDA 0723

314.50(i)(1)(i)(A)(4) above). If the applicant has a licensing agreement with the NDA holder/patent owner, proceed to question #15.
☐ 21 CFR 314.50(i)(1)(ii): No relevant patents.
21 CFR 314.50(i)(1)(iii): The patent on the listed drug is a method of use patent and the labeling for the drug product for which the applicant is seeking approval does not include any indications that are covered by the use patent as described in the corresponding use code in the Orange Book. Applicant must provide a statement that the method of use patent does not claim any of the proposed indications. (Section viii statement)
Method(s) of Use/Code(s):
15) Complete the following checklist <i>ONLY</i> for applications containing Paragraph IV certification and/or applications in which the applicant and patent holder have a licensing agreement:
 (a) Patent number(s): (b) Did the applicant submit a signed certification stating that the NDA holder and patent owner(s) were notified that this b(2) application was filed [21 CFR 314.52(b)]? YES NO If "NO", please contact the applicant and request the signed certification.
(c) Did the applicant submit documentation showing that the NDA holder and patent owner(s) received the notification [21 CFR 314.52(e)]? This is generally provided in the form of a registered mail receipt. YES NO
If "NO", please contact the applicant and request the documentation.
(d) What is/are the date(s) on the registered mail receipt(s) (i.e., the date(s) the NDA holder and patent owner(s) received notification):
Date(s):
Note , the date(s) entered should be the date the notification occurred (i.e., delivery date(s)), not the date of the submission in which proof of notification was provided
(e) Has the applicant been sued for patent infringement within 45-days of receipt of the notification listed above?
Note that you may need to call the applicant (after 45 days of receipt of the notification) to verify this information UNLESS the applicant provided a written statement from the notified patent owner(s) that it consents to an immediate effective date of approval.
YES NO Patent owner(s) consent(s) to an immediate effective date of approval

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/s/

(2)

03/29/2016

FDA 0725



Center for Drug Evaluation and Research (CDER)

*** This document contains proprietary information that cannot be released to the public***

Date of This Review: January 29, 2016

Requesting Office or Division: (b) (6)

Application Type and Number: NDA 20687/S-020

Product Name and Strength: Mifeprex (mifepristone) Tablets 200 mg

Product Type: Single Ingredient

Rx or OTC: Rx

Applicant/Sponsor Name: Danco Laboratories, LLC

 Submission Date:
 May 28, 2015

 (b) (6) #•
 2015-1720

(b) (6)
(b) (6)
(b) (6)
(b) (6)

1 REASON FOR REVIEW

This review responds to a request from the (b) (6) to evaluate the proposed changes in dosage for the Mifeprex Prescribing Information (PI), submitted to efficacy supplement NDA 20687/S-020, for vulnerabilities that may contribute to medication errors.

In addition to being a PLR conversion, this efficacy supplement, S-020, proposes changes to the dosage and administration instructions for this product. The approved dosage is three 200 mg tablets (600 mg) of Mifeprex in a single oral dose on Day 1, followed by the patient returning to the health care provider two days after ingesting Mifeprex to take two 200 mcg (400 mcg) of misoprostol orally for medical termination of intrauterine pregnancy through (b) (d) days gestation. Danco Laboratories, LLC is now proposing

followed on Day 2 or Day 3 by 800 mcg buccal misoprostol (minimum 24-hour interval between Mifeprex and misoprostol).

(b) (4)

Additionally, the dosage and administration section of the prescribing information will no longer require that mifepristone be administered under the supervision of a licensed health care provider and will allow prescribers to dispense mifepristone to patients to self-administer outside of a supervised setting.

The currently marketed packaging configuration for Mifeprex is a blister pack containing three 200 mg tablets. The Applicant also submitted a manufacturing supplement, S-021, for a new single tablet blister pack configuration to support the proposed change in dosage. Danco has indicated that the single tablet blister pack will

(b) (6) is reviewing the manufacturing supplement under separate cover (see (b) (6) # 2015-2527).

2 MATERIALS REVIEWED

We considered the materials listed in Table 1 for this review. The Appendices provide the methods and results for each material reviewed.

Table 1. Materials Considered for this Label and Labeling Review	
Material Reviewed	Appendix Section (for Methods and Results)
Product Information/Prescribing Information	A

Table 1. Materials Considered for this Label and Labeling Review		
Material Reviewed	Appendix Section (for Methods and Results)	
Previous (b) (6) Reviews	В	
Human Factors Study	C (N/A)	
ISMP Newsletters	D	
FDA Adverse Event Reporting System (FAERS)*	E	
Other	F (N/A)	
Labels and Labeling	G	

N/A=not applicable for this review

3 OVERALL ASSESSMENT OF THE MATERIALS REVIEWED

Our review of the proposed revisions to the prescribing information (PI) noted that Mifeprex and the subsequent dose of misoprostol will no longer require administration under the supervision of a licensed health care provider. The labeling changes will allow prescribers to dispense mifepristone directly to patients to self-administer outside of a supervised setting. Patients will also be allowed to self-administer their subsequent dose of misoprostol outside of a supervised setting. In addition, Danco proposes a new dosing regimen of one 200 mg Mifeprex tablet administered on day one followed on day 2 or day 3 by 800 mcg misoprostol administered buccally. The labeling will also include a medication guide which will be dispensed to each patient and there will be a REMS in place which will include a requirement for patient counseling.

(b) (6) finds the content changes to the Dosage and Administration section acceptable and is working with the Division on the presentation of the in the Dosage and Administration section.

We also note that the newly proposed dosage regimen is not supported by the currently marketed blister pack, which contains three 200 mg tablets of Mifeprex. We are concerned that the use of the approved three tablet packaging configuration for patients prescribed may lead to medication errors. The currently marketed blister pack is not perforated to allow for easy removal of a single tablet for dispensing. Additionally, the currently marketed blister pack does not adequately label each individual tablet with identifying information to ensure safe use of the product. Dispensing a single tablet from the three tablet blister pack would not allow individual tablets to be labeled with the product name, strength, lot number or expiration date. If a provider did attempt to dispense a single tablet from the currently marketed blister pack, this may result in confusion of Mifeprex with other medications due to the lack of identifying information.

Additionally, prescribers may dispense the entire blister pack, which contains three 200 mg Mifeprex tablets, to patients who are only supposed to take one tablet. This introduces the risk

^{*}We do not typically search FAERS for label and labeling reviews unless we are aware of medication errors through our routine postmarket safety surveillance

for patients to take all three 200 mg Mifeprex tablets at once (overdose). We recognize that if a patient did take all three tablets at once, it would be consistent with current practice, which allows for 600 mg of Mifeprex on day 1 through through days gestation. However, if this is followed by 800 mcg buccal misoprostol on day 3 instead of the currently approved 400 mcg oral misoprostol, it is unclear what the negative clinical consequences will be for the patient. We also cannot exclude the possibility that patients may reserve the extra two tablets for self-treatment or treatment of others at a later date. While such a practice would constitute intentional misuse of the product, this is a current public health concern that should be considered.

The Applicant submitted supplement 021, which proposes a new single tablet, 200 mg Mifeprex, blister pack. The newly proposed packaging configuration appears to be a reasonable approach for addressing the safety concerns we have outlined above. Coordinated timing for approval of both supplements 020 and 021 simultaneously or ensuring that an approval action is taken on supplement 021 prior to supplement 020 will help to ensure that an appropriate packaging configuration is available to support the safe use of the product for the dosage regimen proposed in supplement 020. We consider this especially important given that mifepristone no longer has to be administered under the supervision of a licensed health care provider and will be dispensed to patients to self-administer outside of a supervised setting.

4 CONCLUSIONS AND RECOMMENDATIONS FOR THE DIVISION

(b) (6) finds the proposed labeling changes in the prescribing information acceptable and is working with the Division during labeling meetings to discuss the presentation of the dosing option statements in the Dosage and Administration section. However, in the course of our review we determined the currently approved three tablet blister packaging configuration will not support the safe use of the product for the dosage regimen proposed in supplement 020. We recommend the Division coordinates the timing for approval of both supplements 020 and 021 to ensure that an appropriate packaging configuration is available to support the safe use of the product for the dosage regimen proposed in supplement 020. If supplement 021 cannot be approved prior to or at the same time as approval for supplement 020 and the Division determines that the public health benefits for approval of the new dosage regimen outweigh the safety concerns we have identified, then additional labeling mitigations may be needed to minimize the risk for medication error.

(b) (6) should be consulted to provide additional recommendations in that circumstance.

APPENDICES: METHODS & RESULTS FOR EACH MATERIALS REVIEWED

APPENDIX A. PRODUCT INFORMATION/PRESCRIBING INFORMATION

Table 2 presents relevant product information for Mifeprex that Danco Laboratories LLC submitted on May 28, 2015.

Table 2. Relevant Product Information for Mifeprex		
Initial Approval Date	September 28, 2000	
Active Ingredient	mifepristone	
Indication	Medical termination of intrauterine pregnancy through days gestation.	
Route of Administration	Oral	
Dosage Form	Tablets	
Strength	200 mg	
Dose and Frequency	200 mg (b) (4)	
How Supplied/ Container Closure	Blister pack (b) (4)	
Storage	25°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F)	

APPENDIX B. PREVIOUS (b) (6) REVIEWS

B.1 Methods

On October 15, 2015, we searched the L:drive and AIMS using the terms, Mifeprex and mifepristone to identify reviews previously performed by (b) (6)

B.2 Results

Our search did not identify any previous reviews.

APPENDIX C. HUMAN FACTORS STUDY

N/A

APPENDIX D. ISMP NEWSLETTERS

D.1 Methods

On October 15, 2015, we searched the Institute for Safe Medication Practices (ISMP) newsletters using the criteria below, and then individually reviewed each newsletter. We limited our analysis to newsletters that described medication errors or actions possibly associated with the label and labeling.

ISMP Newsletters Search Strategy	
ISMP Newletter(s)	Acute Care, Community and Nursing
Search Strategy and Terms	Match Exact Word or Phrase: Mifeprex

D.2 Results

One pertinent article was found in the July 24, 2002 edition of Medication Safety Alert which described a case involving a 59 year old male with a meningioma, who received a prescription for an off label use for mifepristone 200 mg po daily. The prescription was written by a provider who was unaware of the requirement to sign and return a prescriber's agreement. The prescription was filled incorrectly in a community pharmacy with misoprostol 200 mcg tablets.

APPENDIX E. FDA ADVERSE EVENT REPORTING SYSTEM (FAERS)

E.1 Methods

We searched the FDA Adverse Event Reporting System (FAERS) on August 11, 2015 using the criteria in Table 3, and then individually reviewed each case. We limited our analysis to cases that described errors possibly associated with the label and labeling. We used the NCC MERP Taxonomy of Medication Errors to code the type and factors contributing to the errors when sufficient information was provided by the reporter.¹

Table 3: FAERS Search Strategy		
Date of Search	August 11, 2015	
Product	Mifeprex	
Event (MedDRA Terms)	^{(b) (6)} Official FBIS Search Terms Event List:	
	Contraindicated Drug Administered (PT)	
	Drug Administered to Patient of Inappropriate Age (PT)	
	Inadequate Aseptic Technique in Use of Product (PT)	
	Medication Errors (HLGT)	
	Overdose (PT)	
	Prescribed Overdose (PT)	
	Prescribed Underdose (PT)	
	Product Adhesion Issue (PT)	
	Product Compounding Quality Issue (PT)	
	Product Formulation Issue (PT)	
	Product Label Issues (HLT)	
	Product Packaging Issues (HLT)	
	Product Use Issue (PT)	
	Underdose (PT)	

E.2 Results

Our search identified three cases, none of which, described errors relevant for this review.

¹ The National Coordinating Council for Medication Error Reporting and Prevention (NCC MERP) Taxonomy of Medication Errors. Website http://www.nccmerp.org/pdf/taxo2001-07-31.pdf.

E.3 List of FAERS Case Numbers N/A

E.4 Description of FAERS

The FDA Adverse Event Reporting System (FAERS) is a database that contains information on adverse event and medication error reports submitted to FDA. The database is designed to support the FDA's postmarket safety surveillance program for drug and therapeutic biologic products. The informatic structure of the FAERS database adheres to the international safety reporting guidance issued by the International Conference on Harmonisation. FDA's Office of Surveillance and Epidemiology codes adverse events and medication errors to terms in the Medical Dictionary for Regulatory Activities (MedDRA) terminology. Product names are coded using the FAERS Product Dictionary. More information about FAERS can be found at: http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Surveillance/AdverseDrugEffects/default.htm.

APPENDIX F. Other Sources N/A

APPENDIX G. LABELS AND LABELING

G.1 List of Labels and Labeling Reviewed

Using the principles of human factors and Failure Mode and Effects Analysis,² along with postmarket medication error data, we reviewed the following Mifeprex labeling submitted by Danco Laboratories on July 16 2015.

- Package insert (no image)
- Medication Guide (no image)

² Institute for Healthcare Improvement (IHI). Failure Modes and Effects Analysis. Boston. IHI:2004.

² Page(s) of Draft Labeling have been Withheld in Full as b4 (CCI/TS) immediately following this page

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01/29/2016

Reference ID: 3879956

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 29 of 84

REGULATORY PROJECT MANAGER PHYSICIAN LABELING RULE (PLR) FORMAT REVIEW OF THE PRESCRIBING INFORMATION

Complete for all new NDAs, BLAs, Efficacy Supplements, and PLR Conversion Labeling Supplements

Application: NDA 020687/S- 020

Application Type: Efficacy Supplement

Drug Name(s)/Dosage Form(s): Mifeprex (mifepristone) Tablets

Applicant: Danco Laboratories, LLC

Receipt Date: May 29, 2015

Goal Date: March 29, 2016

1. Regulatory History and Applicant's Main Proposals

Mifeprex is currently approved and indicated for the medical termination of intrauterine pregnancy through 49 days' gestation. Danco Laboratories, LLC, submitted an efficacy supplement proposing modifications to their approved application. The revisions to the dosing regimen and extended gestational age are consistent with current clinical practice in the US and elsewhere. The goal date for the supplement is March 29, 2016.

2. Review of the Prescribing Information

This review is based on the applicant's submitted Word format of the prescribing information (PI). The applicant's proposed PI was reviewed in accordance with the labeling format requirements listed in the "Selected Requirements of Prescribing Information (SRPI)" checklist (see Section 4 of this review).

3. Conclusions/Recommendations

A SRPI format deficiency was identified in the review of this PI. See Section 4 of this review.

FDA 0737

The Selected Requirement of Prescribing Information (SRPI) is a 41-item, drop-down checklist of important <u>format</u> elements of the prescribing information (PI) based on labeling regulations (21 CFR 201.56 and 201.57) and guidances.

Highlights

See Appendix for a sample tool illustrating Highlights format.

HIGHLIGHTS GENERAL FORMAT

YES 1. Highlights (HL) must be in a minimum of 8-point font and should be in two-column format, with ½ inch margins on all sides and between columns.

Comment:

YES 2. The length of HL must be one-half page or less unless a waiver has been granted in a previous submission. The HL Boxed Warning does not count against the one-half page requirement.

<u>Instructions to complete this item</u>: If the length of the HL is one-half page or less, select "YES" in the drop-down menu because this item meets the requirement. However, if HL is longer than one-half page, select "NO" unless a waiver has been granted.

Comment:

- NO 3. A horizontal line must separate:
 - HL from the Table of Contents (TOC), and
 - TOC from the Full Prescribing Information (FPI).

<u>Comment</u>: Change will be made to the label during labeling negotiations.

4. All headings in HL (from Recent Major Changes to Use in Specific Populations) must be **bolded** and presented in the center of a horizontal line. (Each horizontal line should extend over the entire width of the column.) The HL headings (from Recent Major Changes to Use in Specific Populations) should be in UPPER CASE letters. See Appendix for HL format.

Comment:

YES 5. White space should be present before each major heading in HL. There must be no white space between the HL Heading and HL Limitation Statement. There must be no white space between the product title and Initial U.S. Approval. See Appendix for HL format.

Comment:

YES 6. Each summarized statement or topic in HL must reference the section(s) or subsection(s) of the Full Prescribing Information (FPI) that contain more detailed information. The preferred format is the numerical identifier in parenthesis [e.g., (1.1)] at the end of each summarized statement or topic.

Comment:

YES 7. Headings in HL must be presented in the following order:

Heading	Required/Optional
Highlights Heading	Required

SRPI version 5: October 2015

Page 2 of 10

FDA 0738

Highlights Limitation Statement	Required
Product Title	Required
Initial U.S. Approval	Required
Boxed Warning	Required if a BOXED WARNING is in the FPI
Recent Major Changes	Required for only certain changes to PI*
Indications and Usage	Required
Dosage and Administration	Required
Dosage Forms and Strengths	Required
Contraindications	Required (if no contraindications must state "None.")
Warnings and Precautions	Not required by regulation, but should be present
Adverse Reactions	Required
Drug Interactions	Optional
Use in Specific Populations	Optional
Patient Counseling Information Statement	Required
Revision Date	Required

^{*} RMC only applies to <u>five</u> labeling sections in the FPI: BOXED WARNING, INDICATIONS AND USAGE, DOSAGE AND ADMINISTRATION, CONTRAINDICATIONS, and WARNINGS AND PRECAUTIONS.

Comment:

HIGHLIGHTS DETAILS

Highlights Heading

YES 8. At the beginning of HL, the following heading, "HIGHLIGHTS OF PRESCRIBING INFORMATION" must be **bolded** and should appear in all UPPER CASE letters.

<u>Comment:</u>

Highlights Limitation Statement

9. The **bolded** HL Limitation Statement must include the following verbatim statement: "**These highlights do not include all the information needed to use (insert NAME OF DRUG PRODUCT) safely and effectively. See full prescribing information for (insert NAME OF DRUG PRODUCT)." The name of drug product should appear in UPPER CASE letters.**

Comment:

Product Title in Highlights

YES 10. Product title must be **bolded**.

Comment:

Initial U.S. Approval in Highlights

YES 11. Initial U.S. Approval must be **bolded**, and include the verbatim statement "**Initial U.S. Approval:**" followed by the **4-digit year**.

Comment:

Boxed Warning (BW) in Highlights

YES 12. All text in the BW must be **bolded**.

Comment:

YES 13. The BW must have a title in UPPER CASE, following the word "WARNING" and other words to identify the subject of the warning. Even if there is more than one warning, the term

SRPI version 5: October 2015 Page 3 of 10 FDA 0739

"WARNING" and not "WARNINGS" should be used. For example: "WARNING: SERIOUS INFECTIONS and ACUTE HEPATIC FAILURE". If there is more than one warning in the BW title, the word "and" in lower case can separate the warnings. The BW title should be centered.

Comment:

YES 14. The BW must always have the verbatim statement "See full prescribing information for complete boxed warning." This statement must be placed immediately beneath the BW title, and should be centered and appear in *italics*.

Comment:

YES

15. The BW must be limited in length to 20 lines. (This includes white space but does not include the BW title and the statement "See full prescribing information for complete boxed warning.")

Comment:

Recent Major Changes (RMC) in Highlights

YES 16. RMC pertains to only <u>five</u> sections of the FPI: BOXED WARNING, INDICATIONS AND USAGE, DOSAGE AND ADMINISTRATION, CONTRAINDICATIONS, and WARNINGS AND PRECAUTIONS. Labeling sections for RMC must be listed in the same order in HL as they appear in the FPI.

Comment:

YES

17. The RMC must include the section heading(s) and, if appropriate, subsection heading(s) affected by the recent major change, together with each section's identifying number and date (month/year format) on which the change was incorporated in the PI (supplement approval date). For example, "Warnings and Precautions, Acute Liver Failure (5.1) --- 8/2015."

Comment:

YES 18. A changed section must be listed under the RMC heading for at least one year after the date of the labeling change and must be removed at the first printing subsequent to the one year period. (No listing should be one year older than the revision date.)

Comment:

Dosage Forms and Strengths in Highlights

N/A 19. For a product that has more than one dosage form (e.g., capsules, tablets, injection), bulleted headings should be used.

Comment:

Contraindications in Highlights

YES 20. All contraindications listed in the FPI must also be listed in HL. If there is more than one contraindication, each contraindication should be bulleted. If no contraindications are known, must include the word "None."

Comment:

SRPI version 5: October 2015 Page 4 of 10 FDA 0740

Adverse Reactions in Highlights

YES

21. For drug products other than vaccines, the verbatim **bolded** statement must be present: "To report SUSPECTED ADVERSE REACTIONS, contact (insert name of manufacturer) at (insert manufacturer's U.S. phone number which should be a toll-free number) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch."

Comment:

Patient Counseling Information Statement in Highlights

YES

22. The Patient Counseling Information statement must include one of the following three **bolded** verbatim statements that is most applicable:

If a product **does not** have FDA-approved patient labeling:

• See 17 for PATIENT COUNSELING INFORMATION

If a product **has (or will have)** FDA-approved patient labeling:

- See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling
- See 17 for PATIENT COUNSELING INFORMATION and Medication Guide *Comment:*

Revision Date in Highlights

YES

23. The revision date must be at the end of HL, and should be **bolded** and right justified (e.g., "Revised: 8/2015").

Comment:

APPEARS THIS WAY ON ORIGINAL

SRPI version 5: October 2015 Page 5 of 10
FDA 0741

Contents: Table of Contents (TOC)

See Appendix for a sample tool illustrating Table of Contents format.

YES 24. The TOC should be in a two-column format.

Comment:

YES 25. The following heading must appear at the beginning of the TOC: "FULL PRESCRIBING INFORMATION: CONTENTS." This heading should be in all UPPER CASE letters and bolded.

Comment:

YES 26. The same title for the BW that appears in HL and the FPI must also appear at the beginning of the TOC in UPPER CASE letters and **bolded**.

Comment:

YES 27. In the TOC, all section headings must be **bolded** and should be in UPPER CASE.

Comment:

YES 28. In the TOC, all subsection headings must be indented and not bolded. The headings should be in title case [first letter of all words are capitalized except first letter of prepositions (for, of, to) and articles (a, an, the), or conjunctions (or, and)].

Comment:

YES 29. The section and subsection headings in the TOC must match the section and subsection headings in the FPI.

Comment:

YES 30. If a section or subsection required by regulation [21 CFR 201.56(d)(1)] is omitted from the FPI, the numbering in the TOC must not change. The heading "FULL PRESCRIBING INFORMATION: CONTENTS*" must be followed by an asterisk and the following statement must appear at the end of the TOC: "*Sections or subsections omitted from the full prescribing information are not listed."

Comment:

APPEARS THIS WAY ON ORIGINAL

SRPI version 5: October 2015 Page 6 of 10

FDA 0742

Full Prescribing Information (FPI)

FULL PRESCRIBING INFORMATION: GENERAL FORMAT

YES

31. The **bolded** section and subsection headings in the FPI must be named and numbered in accordance with 21 CFR 201.56(d)(1) as noted below. (Section and subsection headings should be in UPPER CASE and title case, respectively.) If a section/subsection required by regulation is omitted, the numbering must not change. Additional subsection headings (i.e., those not named by regulation) must also be **bolded** and numbered.

BOXED WARNING
1 INDICATIONS AND USAGE
2 DOSAGE AND ADMINISTRATION
3 DOSAGE FORMS AND STRENGTHS
4 CONTRAINDICATIONS
5 WARNINGS AND PRECAUTIONS
6 ADVERSE REACTIONS
7 DRUG INTERACTIONS
8 USE IN SPECIFIC POPULATIONS
8.1 Pregnancy
8.2 Lactation (if not required to be in Pregnancy and Lactation Labeling Rule (PLLR) format, use "Labor and Delivery")
8.3 Females and Males of Reproductive Potential (if not required to be in PLLR format, use
"Nursing Mothers")
8.4 Pediatric Use
8.5 Geriatric Use
9 DRUG ABUSE AND DEPENDENCE
9.1 Controlled Substance
9.2 Abuse
9.3 Dependence
10 OVERDOSAGE
11 DESCRIPTION
12 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics
12.4 Microbiology (by guidance)
12.5 Pharmacogenomics (by guidance)
13 NONCLINICAL TOXICOLOGY
13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2 Animal Toxicology and/or Pharmacology
14 CLINICAL STUDIES
15 REFERENCES
16 HOW SUPPLIED/STORAGE AND HANDLING
17 PATIENT COUNSELING INFORMATION
Commence

Comment:



32. The preferred presentation for cross-references in the FPI is the <u>section</u> (not subsection) heading followed by the numerical identifier. The entire cross-reference should be in *italics* and enclosed within brackets. For example, "[see Warnings and Precautions (5.2)]."

Comment:

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 36 of 84

Selected Requirements of Prescribing Information

YES 33. For each RMC listed in HL, the corresponding new or modified text in the FPI must be marked with a vertical line on the left edge.

Comment:

FULL PRESCRIBING INFORMATION DETAILS

FPI Heading

YES 34. The following heading "FULL PRESCRIBING INFORMATION" must be **bolded**, must appear at the beginning of the FPI, and should be in UPPER CASE.

Comment:

BOXED WARNING Section in the FPI

YES 35. All text in the BW should be **bolded**.

Comment:

YES

36. The BW must have a title in UPPER CASE, following the word "WARNING" and other words to identify the subject of the warning. (Even if there is more than one warning, the term, "WARNING" and not "WARNINGS" should be used.) For example: "WARNING: SERIOUS INFECTIONS and ACUTE HEPATIC FAILURE". If there is more than one warning in the BW title, the word "and" in lower case can separate the warnings.

Comment:

CONTRAINDICATIONS Section in the FPI

N/A 37. If no Contraindications are known, this section must state "None."

Comment:

ADVERSE REACTIONS Section in the FPI

YES 38. When clinical trials adverse reactions data are included (typically in the "Clinical Trials Experience" subsection), the following verbatim statement (<u>or appropriate modification</u>) should precede the presentation of adverse reactions from clinical trials:

"Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice."

Comment:

YES 39. When postmarketing adverse reaction data are included (typically in the "Postmarketing Experience" subsection), the following verbatim statement (or appropriate modification) should precede the presentation of adverse reactions:

"The following adverse reactions have been identified during post-approval use of (insert drug name). Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure."

Comment:

SRPI version 5: October 2015 Page 8 of 10 FDA 0744

Selected Requirements of Prescribing Information

PATIENT COUNSELING INFORMATION Section in the FPI

- YES
- 40. Must reference any FDA-approved patient labeling in Section 17 (PATIENT COUNSELING INFORMATION). The reference statement should appear at the beginning of Section 17 and include the type(s) of FDA-approved patient labeling (e.g., Patient Information, Instructions for Use, or Medication Guide). Recommended language for the reference statement should include one of the following five verbatim statements that is most applicable:
 - Advise the patient to read the FDA-approved patient labeling (Patient Information).
 - Advise the patient to read the FDA-approved patient labeling (Instructions for Use).
 - Advise the patient to read the FDA-approved patient labeling (Patient Information and Instructions for Use).
 - Advise the patient to read the FDA-approved patient labeling (Medication Guide).
 - Advise the patient to read the FDA-approved patient labeling (Medication Guide and Instructions for Use).

Comment:

YES

41. FDA-approved patient labeling (e.g., Patient Information, Instructions for Use, or Medication Guide) must not be included as a subsection under Section 17 (PATIENT COUNSELING INFORMATION). All FDA-approved patient labeling must appear at the end of the PI upon approval.

Comment:

APPEARS THIS WAY ON ORIGINAL

SRPI version 5: October 2015 Page 9 of 10
FDA 0745

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 38 of 84

Selected Requirements of Prescribing Information

Appendix: Highlights and Table of Contents Format

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use PROPRIETARY NAME safely and effectively. See full prescribing information for PROPRIETARY NAME.

PROPRIETARY NAME (non-proprietary name) dosage form, route of administration, controlled substance symbol Initial U.S. Approval: YYYY

WARNING: TITLE OF WARNING

See full prescribing information for complete boxed warning.

- Text (4)
- Text (5.x)

-----RECENT MAJOR CHANGES-----Section Title, Subsection Title (x.x) M/201Y Section Title, Subsection Title (x.x) -----INDICATIONS AND USAGE-----PROPRIETARY NAME is a (insert FDA established pharmacologic class text phrase) indicated for ... (1) Limitations of Use: Text (1)

-----DOSAGE AND ADMINISTRATION------

- Text (2.x)
- Text (2.x)

-----DOSAGE FORMS AND STRENGTHS-----Dosage form(s): strength(s) (3) -----CONTRAINDICATIONS-----

- Text (4)
- Text (4)

-----WARNINGS AND PRECAUTIONS------

- Text (5.x)
- Text (5.x)

-----ADVERSE REACTIONS------Most common adverse reactions (incidence > x%) are text (6.x)

To report SUSPECTED ADVERSE REACTIONS, contact name of manufacturer at toll-free phone # or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

-----DRUG INTERACTIONS------

- Text (7.x)
- Text (7.x)

-----USE IN SPECIFIC POPULATIONS-----

- Text (8.x)
- Text (8.x)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling OR and Medication Guide.

Revised: M/201Y

FULL PRESCRIBING INFORMATION: CONTENTS*

WARNING: TITLE OF WARNING

- 1 INDICATIONS AND USAGE
- 2 DOSAGE AND ADMINISTRATION
 - 2.1 Subsection Title
 - 2.2 Subsection Title
- 3 DOSAGE FORMS AND STRENGTHS
- 4 CONTRAINDICATIONS
- 5 WARNINGS AND PRECAUTIONS
 - 5.1 Subsection Title
 - 5.2 Subsection Title

6 ADVERSE REACTIONS

- 6.1 Clinical Trials Experience
- 6.2 Immunogenicity
- 6.2 or 6.3 Postmarketing Experience

7 DRUG INTERACTIONS

- 7.1 Subsection Title
- 7.2 Subsection Title

8 USE IN SPECIFIC POPULATIONS

- 8.1 Pregnancy
- 8.2 Lactation (if not required to be in PLLR format use Labor and Delivery)
- 8.3 Females and Males of Reproductive Potential (if not required to be in PLLR format use Nursing Mothers)
- 8.4 Pediatric Use
- 8.5 Geriatric Use
- 8.6 Subpopulation X

9 DRUG ABUSE AND DEPENDENCE

- 9.1 Controlled Substance
- 9.2 Abuse
- 9.3 Dependence

10 OVERDOSAGE

11 DESCRIPTION

12 CLINICAL PHARMACOLOGY

- 12.1 Mechanism of Action
- 12.2 Pharmacodynamics
- 12.3 Pharmacokinetics
- 12.4 Microbiology
- 12.5 Pharmacogenomics

13 NONCLINICAL TOXICOLOGY

- 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
- 13.2 Animal Toxicology and/or Pharmacology

14 CLINICAL STUDIES

- 14.1 Subsection Title
- 14.2 Subsection Title

15 REFERENCES

16 HOW SUPPLIED/STORAGE AND HANDLING

17 PATIENT COUNSELING INFORMATION

* Sections or subsections omitted from the full prescribing information are not listed.

SRPI version 5: October 2015 Page 10 of 10 FDA 0746 This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic

signature.

(D) (b

12/02/2015

/s/

FDA 0747

Department of Health and Human Services Public Health Service Food and Drug Administration Center for Drug Evaluation and Research (b) (6) (b) (6)

Pharmacovigilance Review

Date: November 16, 2015 (b) (6) Reviewer: (b) (6) (b) (6) (b) (6) (b) (6) (b) (6) (b) (6) **Product Names:** Mifeprex (mifepristone) and Cytotec (misoprostol) Subject: Uterine rupture Application Type/Number: NDA 020687 and NDA 019268 **Submission Number:** Supplement-20 (for Mifeprex, NDA 20687)

Danco Laboratories, LLC and GD Searle, LLC

Applicant/Sponsor:

TABLE OF CONTENTS

Exec	ve Summary	1
1	Introduction	
1.	Background	
1.2	Regulatory History	
1	Product Labeling	
2	Methods and Materials	
2.	Case Definition	
2.2	FAERS Search Strategy	
3	Results	
3.	FAERS Case Selection	
4	Discussion	
5	Conclusion	
6	References	
7	Appendices	
7.	Appendix A. FDA Adverse Event Reporting System (FAERS)	
7.2	Appendix B. FAERS Case Numbers, FAERS Version Numbers, FAERS	
	Summary Information, and Manufacturer Control Numbers	

EXECUTIVE SUMMARY

This review evaluates the FDA Adverse Event Reporting System (FAEI		
rupture with mifepristone alone, misoprostol alone, or both, with special	interest	in cases
occurring in women ≤ 10 weeks pregnant (≤ 70 days). The		(b) (6)
((b) (6) consulted the	(b) (6)	as part of
their review of an efficacy supplement submitted by Danco Laboratories	s, LLC, J	proposing
labeling revisions for Mifeprex (mifepristone). These labeling revisions	reflect	established
medical practice in regards to medical termination of pregnancy, and inc	clude cha	anges to the
eligible gestational age and (b)(4) dosing regimen.		

The FAERS search retrieved 80 cases of uterine rupture, with 77 citing misoprostol use alone and 3 citing both mifepristone and misoprostol use. Vaginal administration of misoprostol was documented in the majority of the cases. Twenty-five of the 80 cases originated in the published medical literature.

Cases were also assessed for other risk factors that could have contributed to uterine rupture. The majority noted at least one additional potential risk factor, with a history of at least one previous c-section, or the use of additional uterotonic drugs (e.g. oxytocin or dinoprostone), being the most commonly reported. The use of misoprostol during the 3rd trimester for the induction of labor, cervical ripening, or both, in women that had at least one previous c-section, was also documented in many cases.

The majority of the FAERS cases either occurred in the 3rd trimester of pregnancy, or did not report gestational age. Thirty-two of the 39 cases identified during the 3rd trimester noted vaginal misoprostol use. In the cases where the gestational age was not reported, it is likely that most of these cases occurred during the 2nd or 3rd trimester as many noted the induction of labor as the reason for misoprostol use. Two of the 80 cases (2.5%) reported uterine rupture within the first 10 weeks of pregnancy; however, if the cases without gestation age are not included as 2nd or 3rd trimester exposures despite the noted reason for use, the percentage increases to approximately 4%. Regardless of the approach, uterine rupture associated with the use of mifepristone alone, misoprostol alone, or both, is likely a rare event in the 1st trimester.

Two cases of uterine rupture were reported within the first 10 weeks of pregnancy. In both cases, misoprostol alone was utilized for termination of pregnancy. The first case provided minimal information other than documentation of a 5 week gestation, and an ultrasound noting "an important uterine separation" during an unspecified time after misoprostol (route not specified) administration. The remaining case was also a published case report in which uterine rupture was documented as occurring approximately 2.5 hours after 800 mcg of misoprostol was administered vaginally for cervical preparation prior to surgical termination of pregnancy. The patient was 8 weeks and 2 days pregnant, had a history of a prior c-section, and was of advanced maternal age.

In conclusion, a review of the FAERS cases did identify cases of uterine rupture with the use of misoprostol alone, and with the use of mifepristone in combination with misoprostol. No cases of uterine rupture were reported with mifepristone use alone. While two cases of uterine rupture with misoprostol for the termination of pregnancy were reported in the ≤ 10 weeks gestation group, the vast majority of the cases documented uterine rupture in the 3^{rd} trimester of pregnancy with vaginal misoprostol use alone for the induction of labor.

1 INTRODUCTION

Danco Laboratories, LLC submitted an efficacy supplement on May 28, 2015, proposing labeling revisions for Mifeprex (mifepristone). These labeling revisions reflect established medical practice in regards to medical termination of pregnancy, and include changes to the eligible gestation age and dosing regimen, and are further described below.

Current indication: medical termination of pregnancy through 49 days gestation Current dosing/administration regimen: 600 mg of misepristone orally on day 1, followed by 400 mcg of misoprostol orally on day 3 (for pregnancies up to 49 days gestation)

Proposed indication: medical termination of pregnancy through days gestation

Proposed dosing/administration regimen: 200 mg of mifepristone orally on day 1, followed by 800 mcg of misoprostol buccally on day 2 or 3 pregnancies up to day days gestation)

During the planning stages for this consult, (b) (6) conducted a preliminary literature search and identified 43 published case reports that could potentially be applicable to this review. Based on this finding, (b) (6) was contacted to determine if a discussion of the literature cases, not also reported in FAERS, should be included as part of this review. (b) (6) requested that (c) (6) (6) focus our analysis on FAERS cases, while the (d) (6) (6) clinical reviewers would conduct the necessary literature review. Therefore, this review is solely focused on FAERS reports, some of which may also be reported in the literature.

1.1 BACKGROUND

Uterine rupture is a rare, life-threatening pregnancy complication for both the mother and the fetus. Common signs and symptoms of uterine rupture include uterine tenderness, abdominal pain, peritoneal irritation, loss of fetal station, vaginal bleeding, shock, and fetal heart rate changes (e.g. bradycardia), or fetal death.

The incidence of rupture in an unscarred uterus versus a scarred uterus is 0.7 and 5.1 per 10,000 deliveries, respectively. The etiology of uterine rupture in an unscarred uterus has been attributed to inherent or acquired weakness of the myometrium, abnormal architecture of the uterine cavity, and disorders of the collagen matrix. Women with a prior cesarean delivery (c-section) or prior transmyometrial uterine surgery would fit the criteria of having a scarred uterus.

Potential contributing risk factors for uterine rupture in both a scarred and unscarred uterus have been identified and include the following: grand multiparity, advancing maternal age, macrosomia, multiple gestation, dystocia resulting in protracted labor, abnormal placentation, a short inter-pregnancy interval, obstetrical procedures (such as breech extraction, uterine instrumentation, cephalic version, dilation and curettage (D&C)), abdominal trauma, and a trial of labor after previous c-section, among others. Medical induction or augmentation of labor with uterotonic medications is also a risk factor for uterine rupture. The presence of several risk factors likely exacerbates the risk of uterine rupture. 1,2,3,4

For the purposes of this review, the following American College of Obstetricians and Gynecologists (ACOG) definitions were utilized:^{5,6}

- Advanced maternal age: age > 35 years old
- 1st trimester: up to and including 13 6/7 weeks of gestation 2nd trimester: 14 0/7 weeks to 27 6/7 weeks of gestation
- 3rd trimester: 28 0/7 weeks of gestation and above

1.2 REGULATORY HISTORY

Mifeprex (mifepristone) is a progestin antagonist approved by the FDA on September 28, 2000, indicated for the medical termination of intrauterine pregnancy through 49 days gestation.⁷ Mifepristone is used in a regimen with misoprostol for termination of pregnancy. Mifepristone 600 mg orally is administered on day 1, followed by misoprostol 400 mcg orally 48 hours later.

Cytotec (misoprostol) is a synthetic prostaglandin E₁ analogue approved by the FDA on December 27, 1988, that is indicated for reducing the risk of nonsteroidal anti-inflammatory drug-induced gastric ulcers in patients at high risk of complications from gastric ulcers, as well as patients at high risk of developing gastric ulceration. Misoprostol has been used since 1992 under close medical supervision for various obstetrical off-label indications, such as medical termination of pregnancy, cervical ripening, and induction of labor. 9,10 In 2002, labeling was updated to include the addition of a Labor and Delivery subsection to the PRECAUTIONS section of the Cytotec package insert.¹¹

1.3 PRODUCT LABELING

The current labeling for mifepristone does not contain any information regarding uterine rupture. The applicable sections from the misoprostol⁸ label are provided below.

BOXED WARNING:

CYTOTEC (MISOPROSTOL) ADMINISTRATION TO WOMEN WHO ARE PREGNANT CAN CAUSE BIRTH DEFECTS, ABORTION, OR PREMATURE BIRTH. UTERINE RUPTURE HAS BEEN REPORTED WHEN CYTOTEC WAS ADMINISTERED IN PREGNANT WOMEN TO INDUCE LABOR OR TO INDUCE ABORTION BEYOND THE EIGHTH WEEK OF PREGNANCY (see also PRECAUTIONS and LABOR AND DELIVERY).

PRECAUTIONS:

Labor and delivery: Cytotec can induce or augment uterine contractions. Vaginal administration of Cytotec, outside of its approved indication, has been used as a cervical ripening agent, for the induction of labor and for treatment of serious postpartum hemorrhage in the presence of uterine atony. A major adverse effect of the obstetrical use of Cytotec is uterine tachysystole which may progress to uterine tetany with marked impairment of uteroplacental blood flow, uterine rupture (requiring surgical repair, hysterectomy, and/or salpingo-oophorectomy), or amniotic fluid embolism and lead to adverse fetal heart changes. Uterine activity and fetal status should be monitored by trained obstetrical personnel in a hospital setting.

The risk of uterine rupture increases with advancing gestational ages and prior uterine surgery, including Cesarean delivery. Grand multiparity also appears to be a risk factor for uterine rupture.

The use of Cytotec outside of its approved indication may also be associated with meconium passage, meconium staining of amniotic fluid, and Cesarean delivery. Maternal shock, maternal death, fetal bradycardia, and fetal death have also been reported with the use of misoprostol.

Cytotec should not be used in the third trimester in women with a history of Cesarean section or major uterine surgery because of an increased risk of uterine rupture. Cytotec should not be used in cases where uterotonic drugs are generally contraindicated or where hyperstimulation of the uterus is considered inappropriate, such as cephalopelvic disproportion, grand multiparity, hypertonic or hyperactive uterine patterns, or fetal distress where delivery is not imminent, or when surgical intervention is more appropriate.

PATIENT INFORMATION:

Cytotec has been reported to cause the uterus to rupture (tear) when given after the eighth week of pregnancy. Rupture (tearing) of the uterus can result in severe bleeding, hysterectomy, and/or maternal or fetal death.

2 METHODS AND MATERIALS

2.1 CASE DEFINITION

Cases were included if uterine rupture was reported with the use of mifepristone alone, misoprostol alone, or both.

2.2 FAERS SEARCH STRATEGY

The FAERS database was searched with the strategy described in Table 1.

Table 1. FAERS Search	Table 1. FAERS Search Strategy*						
Date of Search	October 15, 2015						
Time Period of Search	January 1, 1965 [†] - October 15, 2015						
Search Type	Quick Query						

Table 1. FAERS Search Strategy*						
Product Terms	Active Ingredient: Mifepristone; Misoprostol					
MedDRA Search Terms (Version 18.0)	Uterine rupture (PT)					
* See Appendix A for a description in the second in the se	tion of the FAERS database.					

3 RESULTS

3.1 FAERS CASE SELECTION

The FAERS search retrieved 97 reports. After applying the case definition in Section 2.1 and accounting for duplicate reports, 80 cases were included in the case series of uterine rupture reported with mifepristone use alone, misoprostol use alone, or both (see Figure 1).

Figure 1. FAERS Case Selection

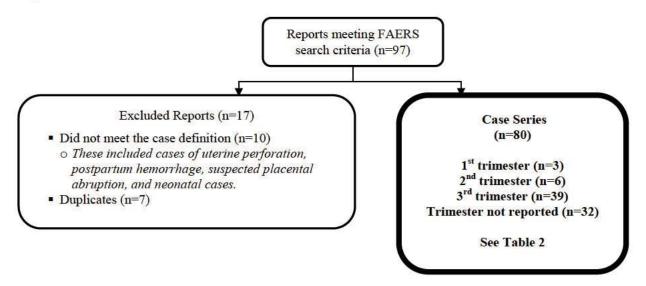


Table 2 summarizes the 80 FAERS cases of uterine rupture reported with mifepristone, misoprostol, or both, for this case series.

Appendix B lists all the FAERS case numbers, FAERS version numbers, FAERS case summaries, and Manufacturer Control numbers for the 80 cases in this case series.

Table 2. De	scriptive characteristics of	uterine rupture reported from January 1	pture reported with mifepristone use, miso from January 1, 1965, to October 15, 2015	Table 2. Descriptive characteristics of uterine rupture reported with mifepristone use, misoprostol use, or both, to FAERS received by FDA from January 1, 1965, to October 15, 2015 (n=80)	ERS received by FDA
	1st Tri (n:	1 st Trimester (n=3)	2 nd Trimester (n=6)	3 rd Trimester (n=39)	Trimester Not so Reported
	$\leq 10 \text{ weeks}$ $(n=2)$	11 to 13 6/7 weeks (n=1)	14 to 27 6/7 weeks	≥ 28 0/7 weeks	
Age (years)	Mean: 36	Mean: 39	Mean: 30.8	Mean: 32.6	Mean: 31.7
÷	Median: 36	Median: 39	Median: 27	Median: 32.5	Median: 32
	Range: 36	Range: 39	Range: 26 - 39	Range: 23 - 41	Range: 22 - 28
	Not reported: 1	Not reported: 0	Not reported: 0	Not reported: 5	Not reported: 15
Country	United States: 0	United States: 0	United States: 0	United States: 27	United States: 27
	Foreign: 2	Foreign: 1	Foreign: 6	Foreign: 12	Foreign: 5
Report type	Expedited: 2	Expedited: 1	Expedited: 6	Expedited: 23	Expedited: 15
	Direct: 0	Direct: 0	Direct: 0	Direct: 10	Direct: 10
	Periodic: 0	Periodic: 0	Periodic: 0	Periodic: 6	Periodic: 7
Serions	Death: 0	Death: 0	Death: 0	Death: 6	Death: 6
Outcomes*	Life-threatening: 0	Life-threatening: 0	Life-threatening: 2	Life-threatening: 6	Life-threatening: 10
(n=78)	Hospitalization: 0	Hospitalization: 1	Hospitalization: 5	Hospitalization: 20	Hospitalization: 17
	Disability: 0	Disability: 0	Disability: 2	Disability: 4	Disability: 2
	Congenital anomaly: 0	Congenital anomaly: 0	Congenital anomaly: 0	Congenital anomaly: 2	Congenital anomaly: 0
	Other serious: 2	Other serious: 1	Other serious: 2	Other serious: 28	Other serious: 16
Year of	2000: 1	2008: 1	1996: 1	1997: 1 2006: 1	1994: 2 2005: 2
Receipt by	2008: 1		1997: 1		8
FDA			1999: 1		
			2003: 1	13	9
			2007: 1		3
			2011: 1	2002: 2 2013: 1	2012:
				2003: 3 2014: 1	2003: 3
				2004: 2	2004: 3
Medication of	Mifepristone: 0	Mifepristone: 0	Mifepristone: 0	Mifepristone: 0	
Interest Used	Misoprostol: 2	Misoprostol: 0	Misoprostol: 4	Misoprostol: 39	Misoprostol: 32
	Both: 0	Both: 1	Both: 2	Both: 0	Both: 0

Table 2. Des	criptive characteristics of	uterine rupture reported from January 1	Table 2. Descriptive characteristics of uterine rupture reported with mifepristone use, misoprostol use, or both, to FAERS received by FDA from January 1, 1965, to October 15, 2015 (n=80)	prostol use, or both, to FA	ERS received by FDA	
	1 st Tri (n	1 st Trimester (n=3)	2 nd Trimester (n=6)	3 rd Trimester (n=39)	Trimester Not Reported	Ca
	$\leq 10 \text{ weeks}$ (n=2)	11 to 13 6/7 weeks (n=1)	14 to 27 6/7 weeks	> 28 0/7 weeks	(n=32)	ase 8:
Route Misoprostol	Vaginal: 1 Not reported: 1	Oral and vaginal: 1	Oral: 1 Vaginal: 3	Oral: 3 Vaginal: 32	Oral: 1 Vaginal: 15	20-c
Administered			Oral and vaginal: 1 Not reported: 1	Not reported: 4	Not reported: 16	v-013
Reported	Pregnancy termination: 2	Pregnancy termination: 1	Induction of labor: 1	Cervical ripening: 11	Cervical ripening: 1	320
Indication^			Pregnancy termination: 5	Induction of labor: 38 Not reported: 1	Induction of labor: 26 Pregnancy termination: 40)- <u>TD</u> (
					Not reported: 2	C
Weeks of	5 weeks: 1	12 weeks: 1	16 5/7 weeks: 1	30 weeks: 1	Not applicable	Do
Gestation	8 2/7 weeks: 1		17 weeks: 1	"8 month" old fetus: 1		OCI
			18 weeks: 1	35 - 35 6/7 weeks: 2		um
			19 weeks: 1	36 6/7 weeks: 1		er
			20 weeks: 2	37 - 37 6/7 weeks: 2		it 6
				"37 - 38" weeks: 1		52-
				38 - 38 6/7 weeks: 7		9
				39 - 39 6/7 weeks: 7		Fi
				≥ 40 weeks: 15		le
				"Term" pregnancy: 1		d 06
Additional	None Reported	None Reported	(n=1)	(n=15)	(n=7)	5/10
Labor-	7	Ţ	Gemeprost: 1	Dinoprostone: 1	Dinoprostone: 2)/2
Inducing/			Oxytocin: 1	Oxytocin: 14	Oxytocin: 6	0
Supporting Medications [†]						Pag
						e 48 d
						of 84

Table 2. De	scriptive characteristics of	uterine rupture reported	Table 2. Descriptive characteristics of uterine rupture reported with mifepristone use, misoprostol use, or both, to FAERS received by FDA	prostol use, or both, to FA	ERS received by FDA
	•	from January 1.	inuary 1, 1965, to October 15, 2015 (n=80)		,
	1 st Tri	1^{st} Trimester $(n=3)$	2 nd Trimester	3^{rd} Trimester $(n=30)$	Trimester Not
	$\leq 10 \text{ weeks}$ $(n=2)$	11 to 13 6/7 weeks (n=1)	14 to 27 6/7 weeks	≥ 28 0/7 weeks	ase 8: (n=32)
Other Reported Potential Risk Factors for Uterine Rupture [‡]	(n=1) Advanced maternal age: 1 Previous c-section: 1	(n=1) Advanced maternal age: 1	(n=5) Additional uterotonics: 1 Advanced maternal age: 2 Cervical fibrosis: 1 Previous c-section(s): 3 Previous D&C(s): 2	(n=34) Additional uterotonics: 15 Advanced maternal age: 8 "Difficult previous birth:" 1 Dystocia: 2 Grand multiparity: 2 Macrosomia: 3 Placenta accreta: 1 Previous c-section(s): 11 Previous D&C(s): 5 Previous uterine perforation: 1 Short inter-pregnancy interval: 1	Additional uterotonics: 7-2-5-6-7-6-7-6-7-6-7-6-7-6-7-6-7-6-7-6-7-6
Published Case Report/ Literature Reported in FAERS	Yes: 1	Yes: 0	Yes: 3	Yes: 14	Yes: 7
* Serious adverse	Serious adverse drug experiences per regulatory definition (CFR 314.80) include outcomes of death, life-transfer anomaly, and other serious important medical events. A case may contain more than one serious outcome.	definition (CFR 314.80) include cents. A case may contain more th) include outcomes of death, life-threatening, hospitalization (initial or prolonged), disability, congenital in more than one serious outcome.	, hospitalization (initial or prolong	(ed), disability, congenital (0)

^{*} Serious adverse drug experiences per regulatory definition (CFR 314.80) include outcomes of death, life-threatening, hospitalization (initial or prolonged), disability, congenital anomaly, and other serious important medical events. A case may contain more than one serious outcome.

Page 49 of 84

[^] A case may contain more than one indication.

[†] A case may contain more than one additional labor-inducing/supporting medication. ‡ A case may contain more than one other potential risk factor for uterine rupture.

Cases of uterine rupture reported with mifepristone, misoprostol, or both, at less than or equal to 10 weeks gestation (\leq 70 days) are further summarized below.

FAERS Case # 6535634, Foreign (France), Outcome - Other Serious (2008)

A pregnant female (age unknown) received an unknown dose and route of misoprostol for the termination of pregnancy on an unspecified date. On an unknown date, the patient felt "unwell" and went to the hospital. An ultrasound was completed which showed that the pregnancy was still ongoing and that there was "an important uterine separation." The patient was noted to be at week 5 of amenorrhea.

Reviewer's Comments: This case describes "an important uterine separation" that was MedDRA coded as a uterine rupture after misoprostol use only for termination of pregnancy in a patient that was approximately 5 weeks pregnant. The lack of information and clinical details provided with this case prevents a thorough and complete assessment of this case.

FAERS Case # 3493578, Foreign (United Kingdom), Outcome - Other Serious (2000)

A 36-year-old (gravida 3, para 2; one delivery via c-section and one vaginal delivery) female was admitted to the hospital and received misoprostol 800 mcg vaginally for cervical preparation prior to surgical termination of pregnancy. The patient was noted to be 8 weeks and 2 days pregnant. Approximately 2.5 hours after misoprostol insertion, the patient experienced severe lower abdominal pain and vaginal bleeding. She was then examined while under anesthesia, and bleeding was documented as profuse and consistent with rupture of the uterus. A laparotomy was performed when it was found that the uterine scar had ruptured with division of both uterine arteries. The patient received two units of blood and a subtotal hysterectomy was performed. Her post-operative recovery was uneventful.

Reviewer's Comments: This published case report¹² describes uterine rupture approximately 2.5 hours after vaginal misoprostol insertion. The potential risk factors identified for uterine rupture include advanced maternal age and a previous c-section.

4 DISCUSSION

The FAERS search retrieved a total of 80 cases of uterine rupture, with 77 citing misoprostol use alone, zero cases citing mifepristone use alone, and three cases citing mifepristone and misoprostol use in conjunction. Vaginal administration of misoprostol was documented in 53 of the 80 cases, including two cases noting both oral and vaginal misoprostol administration; 22 cases did not report the route of administration. The remaining five cases noted only oral administration of misoprostol. Twenty-five of the 80 FAERS cases originated in the published medical literature.

In addition to mifepristone and misoprostol exposure, [6] assessed the FAERS cases for other risk factors that could contribute to uterine rupture. Fifty-eight cases noted at least one additional potential risk factor. The predominant risk factors reported included a history of at least one previous c-section (n=23), or the use of additional uterotonic drugs (n=23), such as oxytocin and dinoprostone. Nine of the 23 cases that documented the use of additional uterotonic drugs had at least one previous c-section, which would likely further increase the risk of uterine rupture independent of the risk associated with the use of additional uterotonic drugs.

also evaluated FAERS cases of uterine rupture by trimester. Thirty-two of the 39 cases of uterine rupture identified during the 3rd trimester noted vaginal misoprostol use. Eleven of the 39 cases in the 3rd trimester also documented the use of misoprostol for the induction of labor, cervical ripening, or both, in women that had at least one previous c-section. This is an important observation because both the current misoprostol labeling and the ACOG Practice Bulletin for the Induction of Labor recommend the avoidance of misoprostol in the 3rd trimester of pregnancy in women with a prior c-section or history of a major uterine surgery, as these women are believed to be at increased risk for uterine rupture.^{8,13}

The majority of the FAERS cases either occurred in the 3rd trimester of pregnancy (39/80; 48.8%), or did not report gestational age (32/80; 40%). In the cases where the gestational age was not reported, it is likely that most of these cases occurred during the 2nd or 3rd trimester as 26 of these 32 cases noted induction of labor as the reason for misoprostol use. Two of the 80 cases (2.5%) reported uterine rupture within the first 10 weeks of pregnancy; however, if the cases without gestation age are not included as 2nd or 3rd trimester exposures despite the noted indication of labor induction, the percentage increases to approximately 4% (2 out of 48 cases where the gestation age is provided). Regardless of the approach, uterine rupture associated with the use of mifepristone alone, misoprostol alone, or both, is likely a rare event, especially in the 1st trimester of pregnancy.

Two cases of uterine rupture were reported within the first 10 weeks of pregnancy. In both cases, misoprostol alone was utilized for termination of pregnancy. The first case, as described in Section 3.1, provided minimal information other than documentation of a 5 week gestation, and an ultrasound noting "an important uterine separation" during an unspecified time after misoprostol administration. The dose and route of misoprostol, in addition to any relevant information regarding the pregnant female (such as age, gravida, and medical history), was not provided. The remaining case was a published case report¹² in which uterine rupture was documented as occurring approximately 2.5 hours after 800 mcg of misoprostol was administered vaginally for cervical preparation prior to surgical termination of pregnancy. The patient was noted to be 8 weeks and 2 days pregnant, had a history of a prior c-section, and was of advanced maternal age.

5 CONCLUSION

In conclusion, a review of the FAERS cases did identify cases of uterine rupture with the use of misoprostol alone, and with the use of mifepristone in combination with misoprostol. No cases of uterine rupture were reported with mifepristone alone. While two cases of uterine rupture with misoprostol for the termination of pregnancy were reported in the ≤ 10 weeks gestation group, the vast majority of the cases documented the occurrence of uterine rupture in the 3^{rd} trimester of pregnancy with vaginal misoprostol use alone for the induction of labor.

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7 APPENDICES

7.1 APPENDIX A. FDA ADVERSE EVENT REPORTING SYSTEM (FAERS)

FDA Adverse Event Reporting System (FAERS)

The FDA Adverse Event Reporting System (FAERS) is a database that contains information on adverse event and medication error reports submitted to FDA. The database is designed to support the FDA's post-marketing safety surveillance program for drug and therapeutic biologic products. The informatic structure of the database adheres to the international safety reporting guidance issued by the International Conference on Harmonisation. Adverse events and medication errors are coded to terms in the Medical Dictionary for Regulatory Activities (MedDRA) terminology. The suspect products are coded to valid tradenames or active ingredients in the FAERS Product Dictionary (FPD).

FAERS data have limitations. First, there is no certainty that the reported event was actually due to the product. FDA does not require that a causal relationship between a product and event be proven, and reports do not always contain enough detail to properly evaluate an event. Further, FDA does not receive reports for every adverse event or medication error that occurs with a product. Many factors can influence whether or not an event will be reported, such as the time a product has been marketed and publicity about an event. Therefore, FAERS data cannot be used to calculate the incidence of an adverse event or medication error in the U.S. population.

FDA 0762

APPENDIX B. FAERS CASE NUMBERS, FAERS VERSION NUMBERS, FAERS CASE SUMMARY INFORMATION, AND MANUFACTURER CONTROL NUMBERS 7.2

Case	8·20-cv-0132	O-TDC D	ocument 6	2-9 File	d 06/10/20 Page 54 of 84		
	Published case Composition of the composition of th		Y (British Jour of OBC GYN; June 2000; 107 807)	2-3 1 110	9 09/10/20 OB GYN; V (Jour OB GYN; 443)20 5 443)24 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
APPENDIX B. FAERS CASE NUMBERS, FAERS VERSION NUMBERS, FAERS CASE SUMMARY INFORMATION, AND Manufacturer Control Numbers	Other potential risk factors for rupture	Previous medical history is unknown	Previous c-section; advanced maternal age	Advanced maternal age	Two previous d&c Cervical fibrosis secondary to two previous large loop excisions of transformation zone (LLETZ) for cervical intraepithelial neoplasm	Previous c-section	
	Pregnancy GA	5 wks	8 and 2/7 wks	12 wks	1 16 and 5/7 wks		
	Indication	Medical abortion	Termination of pregnancy	Medical abortion	Induction of labor for intrauterine fetal demise	Induce abortion	
	Additional labor- inducing/ supporting meds	None	None	None	None	None	
, FAER	Miso, Mife, or Both	Miso	Miso	Both	Miso	Miso	
(UMBERS UMBERS	Mater nal Age in Years	NR	36	39	27	27	
APPENDIX B. FAERS CASE NUMBERS Manufacturer Control Numbers	FDA Initial Rec'd Date	1/25/2008	0/30/2000	11/30/2008	8/12/2011	10/8/2003	
KB. FA	Versi on #	Ī	1	1		1	
7.2 APPENDIN MANUFAC	MFR Ctrl#	FR-PFIZER INC- 2008004891	000619- SK110	GB-PFIZER INC- 2008100689	GB- MYLANLA BS- 2011S10157 75	2003174735 DK	
7.	FAERS Case #	6535634	3493578	6826056	8087646	4018081	

Published case report/literature and reference prinformation prinformati	Y (Europ JOB GYNO) and Repro Biol; 19962 65; 175-176)	320-TD	C D	Y (Jour OB GYN; uent 2006; 26(8); 827-82899	ed 06/10/2	O Page 5	γ (Jour OB GYN; α 1998; 18(2); 184-185)
Other potential risk factors for rupture	None reported	Advanced maternal age	Previous c-section	2 previous c- sections; use of additional uterotomic agents (other than miso); advanced maternal age; previous d&c	"Previous difficult birth"	Advanced maternal age	Previous d&c use of additional uterotonic agents (other than miso)
Pregnancy GA	18 wks	19 wks	20 wks	20 wks	30 wks	"8 month old fetus"	35 wks
Indication	Termination of pregnancy	Medical abortion	Induce abortion	Termination of pregnancy	Induction of labor for intrauterine fetal demise	Induction of labor for intrauterine fetal demise	Induction of labor secondary to severe preeclampsia
Additional labor- inducing/ supporting meds	None	None	None	Gemeprost and oxytocin	None	None	Oxytocin
Miso, Mife, or Both	Both	Miso	Miso	Both	Miso	Miso	Miso
Mater nal Age in Years	26	39	27	39	32	38	27
FDA Initial Rec'd Date	9661/21/11	10/27/1999	6/9/1997	1/11/2007	9/27/2013	10/23/2014	1/29/1999
Versi on #	I	1	1	1	1	1	.
MFR Ctrl#	961023SK0 24	B0072245A	970529SK6 51	PHBS2007 GB00484	IE-PFIZER INC- 2013276197	KR-PFIZER INC- 2014289438	990126- SK156
FAERS Case #	5486636	3380136	5568168	6213047	9562028	10538160	3200342

Case 8	:20-cv-01320	-TDC Do	cument 62-9	Filed 06/10/20	Page 5	6 of 84
Published case report/literature and reference information	Y (OB GYN; 1998; 91(5); 828-830)		Y (Am J OB GYN; 1999; 180(6); 1535- 1542)			
Other potential risk factors for rupture	Previous c-section; advanced maternal age	None reported Previous c-section; use of additional uterotonic agents (other than miso) None reported		Advanced maternal age		
Pregnancy GA	35 and 5/7 wks	36 and 6/7 wks	37 wks	37 and 5/7 wks	37-38 wks	
Indication	Induction of labor for IUGR and oligohydram nios	Induction of labor for IUGR	Induction of labor secondary to increased blood pressure	Induction of labor secondary to severe preeclampsia	Cervical ripening; induction of labor	
Additional labor- inducing/ supporting meds	None	None		None	None	
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	
Mater nal Age in Years	39	27	29	30	37	
FDA Initial Rec'd Date	1/29/1999	11/19/2010	3/16/2000	12/23/2008	5/21/2001	
Versi on #	1	8	ī	4	1	
MFR Ctrl#	990125- SK821	FR-PFIZER INC- 2010148739	000303- SK968	DK-PFIZER INC- 2008154818	Direct Report	
FAERS Case #	3202143	7676227	3446021	6865208	3658225	

_Case 8	:20-cv-01320-TD0	Documer	it 62-9 File	d 06/10/20 Pag	e 57 of 84
Published case report/literature and reference information	Y (Am J OB GYN; 1999; 180(6); 1535- 1542)				
Other potential risk factors for rupture	Other potential risk factors for rupture Previous c-section; use of additional uterotonic agents (other than miso)		Previous uterine perforation; advanced maternal age	Use of additional uterotonic agents (other than miso); advanced maternal age	Advanced maternal age
Pregnancy GA	38 wks	38 wks	38 wks	38 wks	38 wks
Indication	Induction of labor secondary to maternal insulindependent diabetes	Cervical ripening; Induction of labor	NR	Induction of labor for decreased AFI and oligohydram nios	Cervical ripening; Induction of labor
Additional labor- inducing/ supporting meds	Oxytocin	Oxytocin	None	Oxytocin	None
Miso, Mife, or Both	Mife, or Both		Miso	Miso	Miso
Mater nal Age in Years	27	30	38	38	41
FDA Initial Rec'd Date	3/16/2000	11/14/2000	12/23/1999	2/26/2003	9/26/2003
Versi on #	I	I	2		1
MFR Ctrl#	000303- SK967	Direct Report	991217- SK980	2002109666 US	Direct Report
FAERS Case #	3446028	3570614	3411436	3925994	4011614

Published case report/literature and reference binformation	Y (Rev OB SYN OF Venez; 1996; 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2); 56(2);	20-TDC I	Y (OB GYN; 1997; O 89; 832-833)	Y (Am J OB GYN; CP 1999; 180(6); 1535- GP 1542)	Y (Am J OB GYN; 1999; 180(6): 1551-00 1559)	age 58 of 84
Other potential risk factors for rupture	None reported	Previous c-section	Previous d&c	2 previous c- sections; version for breech presentation; advanced maternal age; macrosomia	Macrosomia; advanced maternal age	Previous c-section; use of additional uterotonic agents (other than miso)
Pregnancy GA	38 wks	38 and 4/7 wks	39 wks	39 wks	39 wks	39 wks
Indication	Induction of labor	Induction of labor for intrauterine fetal demise	Induction of labor	Induction of labor secondary to suspected macrosomia	Induction of labor for HTN and fetal macrosomia	Cervical ripening; Induction of labor
Additional labor- inducing/ supporting meds	None	None	None	None	None	Oxytocin
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	NR	26	34	36	39	NR.
FDA Initial Rec'd Date	2/12/1999	1/14/1998	7/30/1997	3/16/2000	3/16/2000	2/26/2003
Versi on #	s—-	-	1	1	-	1
MFR Ctrl #	990209- SK266	Direct Report	970714SK9 94	000303- SK965	000308- SK959	2002104324 US
FAERS Case #	3211435	3121525	5603262	3446030	3915893	3925984

Case 8	:20-cv-01	320-TDC I	Document		iled 06/10/20 F	age 59 of 84
Published case report/literature and reference information			Y (Am J OB GYN; 1999; 180(6); 1535- 1542)	Y (GYN OB Invest; 1995; 39; 252-256)		
Other potential risk factors for rupture	Previous c-section	Grand multiparity, use of additional uterotonic agents (other than miso)	Previous c-section; use of additional uterotonic agents (other than miso)	Placenta accreta	Dystocia; macrosomia; previous d&c use of additional uterotomic agents (other than miso)	Use of additional uterotonic agents (other than miso); advanced maternal age
Pregnancy GA	39 and 2/7 wks	39 and 3/7 wks	39 and 6/7 wks	40 wks	40 wks	40 wks
Indication	Cervical ripening; Induction of labor	Induction of labor	Induction of labor for maternal exhaustion	Induction of labor	Cervical ripening; Induction of labor	Induction of labor
Additional labor- inducing/ supporting meds	None	Oxytocin	Oxytocin	None	Oxytocin	Oxytocin
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	29	33	26	26	34	39
FDA Initial Rec'd Date	3/9/1998	9/15/2000	3/16/2000	5/1/2000	3/9/1998	2/17/2004
Versi on #	2	-	1	9. v = 1	2	2
MFR Ctrl#	980114- SK162	Direct Report	000302- SK676	000414- SK112	980114- SK161	2003188525 US
FAERS Case #	3141208	3537973	3446032	3467539	3122956	5664281

Case 8	:20-cv-0	1320-TDC	Document 6	2-9 File	ed 06/1	0/20	Page 60 of 84
Published case report/literature and reference information	Y (Inter Jour GYN 908; 2000; 68; 43-44)	Y (Aus NZ Jour of OB GYN; 1998; 38(1); — 96-97)			Y (Med Sci Law; 2000; 40(1); 78-82)		T (Am J OB GYN; 86 1999; 180(6): 1551-90 1559)
Other potential risk factors for rupture	Previous d&c	2 previous c- sections	Use of additional uterotonic agents (other than miso)	Advanced maternal age	Advanced maternal age	None reported	2 previous c- sections; use of additional uterotonic agents (other than miso)
Pregnancy GA	40 wks	40 and 2/7 wks	40 and 2/7 wks	40 and 2/7 wks	40 and 5/7 wks	"Term"	41 wks
Indication	Induction of labor	Cervical ripening; Induction of labor	Cervical ripening; Induction of labor	Induction of labor	Induction of labor	Induction of labor	Cervical ripening; Induction of labor
Additional labor- inducing/ supporting meds	эпоN	None	Oxytocin	None	None	None	Oxytocin
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	NR	26	30	36	39	NR	28
FDA Initial Rec'd Date	4/19/2000	4/20/1998	2/17/2004	11/29/2010	6/28/2000	9/14/2010	3/16/2000
Versi on #	-	2	3	-	1	1	1
MFR Ctrl#	000405- SK976	980407- SK060	2003184165 US	CH-PFIZER INC- 2010157837	000614- SK250	2009305062	000308- SK953
FAERS Case #	3462541	3117476	4105985	7684419	3493157	7634883	3446008

Case 8	:20-cv-013	20-TDC	Document 6	2-9 Fil	ed 06/10/20	Page 6	1 of 84
Published case report/literature and reference information)	
Other potential risk factors for rupture	Use of additional uterotonic agents (other than miso)	Use of additional uterotonic agents (other than miso)	Grand multiparity; use of additional uterotomic agents (other than miso)	Use of additional uterotonic agents (other than miso)	Previous c-section; short inter- pregnancy interval (~ 6 months)	Advanced maternal age; previous d&c	Advanced maternal age
Pregnancy GA	41 wks	41 and 3/7 wks	41 and 3/7 wks	41 and 3/7 wks	41 and 5/7 wks	42 and 3/7 wks	"Post-date pregnancy"
Indication	Induction of labor	Cervical ripening; Induction of labor	Induction of labor	Induction of labor	Cervical ripening; Induction of labor	Induction of labor	Induction of labor
Additional labor- inducing/ supporting meds	Dinoprostone	Oxytocin	None	Oxytocin	None	None	None
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	35	29	32	NR	23	39	37
FDA Initial Rec'd Date	9/6/2006	3/8/2000	10/12/2000	12/2/2011	4/25/2002	1/14/2009	4/26/2002
Versi on #	1	1	1	1	-	8	1
MFR Ctrl#	2005151336	Direct Report	Direct Report	Direct Report	Direct Report	DE-PFIZER INC- 2008159489	Direct Report
FAERS Case #	6186170	3453012	3553045	8272366	3788743	5980889	3788274

Published case report/literature and reference prinformation en	:20-cv-C	1320-TD(C Docume	포 Y (Jour OB GYN; 이 1998; 18(2); 184-185)스	ed 06/10/2	(O F	age	62 of	84
Other potential risk factors for rupture	Previous c-section	Previous c-section	Previous medical history is unknown	Use of additional uterotonic agents (other than miso)	Use of additional uterotonic agents (other than miso)	None reported	None reported	Previous c-section	Previous c-section; placental abruption
Pregnancy GA	NR	NR	NR	NR	NR	NR	NR	NR	NR
Indication	Induce abortion	Cervical ripening; Induction of labor	Induction of labor for intrauterine fetal demise	Induction of labor secondary to eclampsia	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor
Additional labor- inducing/ supporting meds	None	эпоN	None	Oxytocin	Dinoprostone and oxytocin	None	None	None	None
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	31	35	NR	22	23	26	50	30	31
FDA Initial Rec'd Date	11/28/2008	12/4/1997	9/21/2011	1/29/1999	5/11/2011	8/29/2012	4/11/2006	1/7/2004	3/22/2001
Versi on #	1	1	3	I	1	1	1	1	
MFR Ctrl#	NO-PFIZER INC- 2008099230	Direct Report	GB-PFIZER INC- 2011219642	990126- SK155	Direct Report	Direct Report	Direct Report	Direct Report	Direct Report
FAERS Case #	6825783	3043704	8145841	3201694	7954530	8760330	6029647	4057550	3627852

Case 8	3:20-0	cv-01	320-	TDC	Doo	cume	nt 62-9	Filed 06/10/20) Pag	e 63 of 84
Published case report/literature and reference information										Y (Am J OB GYN; 1999; 180(6): 1535- 1542)
Publisl ort/lite refe inforr										(Am J 99; 180 15
гер			¥							-
ential rs for re	orted	orted	mia	Grand multiparity	orted	mia	Advanced maternal age	Previous c-section; advanced maternal age; use of additional uterotonic agents (other than miso)	Advanced maternal age	Previous c-section; use of additional uterotonic agents (other than miso)
Other potential risk factors for rupture	None reported	None reported	Macrosomia	ılnın bu	None reported	Macrosomia	age age	nous c-secti anced mater age; use of nonal uterot mts (other th	nnced n	revious c-section use of additional uterotonic agents (other than miso)
Otl risi	ž	ž	N	Gra	Ň	N	Adva	Prevadva adva additi	Adva	Prev use uter (oth
ancy A	~	~	~	~	~	~	~	~	~	~
Pregnancy GA	NR	N.	NR	NR	NR	NR	NR	N.	NR	Ä
tion	Jo uc	Jo uc	Jo uc	Jo uc	Jo uc	on of	on of	on of	on of	on of
Indication	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor
onal r- ng/ ting	ə	e e	e	e	e	e	e	cin	· · · · ·	
Additional labor- inducing/ supporting meds	None	None	None	None	None	None	None	Oxytocin	None	Oxytocin
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	31	32	32	35	35	35	36	38	38	NR
FDA Initial Rec'd Date	5/16/2005	1/30/2002	8/31/2012	1/16/2001	4/8/2002	2/26/2003	7/5/2007	7/26/2000	2/26/2001	3/16/2000
	5/16	1/30	8/31	1/16	4/8	2/26	7/5	7/26	2/26	3/16
Versi on #	-	2		2	-	-	1	93	1	1
MFR Ctrl#	Direct Report	2002090200 US	Direct Report	2001039782 US	Direct Report	2002101539 US	Direct Report	000713- SK605	2001044857 US	000303- SK976
MFR	Din Rep	20020 U	Dii Rep	20010 U	Dii Reg	20021 U	Dii Rej	0000, SK	20010 U	000 SK
FAERS Case #	5802880	3759724	8763266	3594580	3780336	3925979	6355128	3506245	3613899	3446011
FA C.	58(37.	87(35	378	39.	63:	35(36	34

Published case report/literature and reference prinformation en	Y (Am J OB GYN; Ob 1999; 180(6); 1535- O	Y (Am J OB GYN; 1999; 180(6); 1535- C 1542)	ocum	Y (Am J OB GYN; un 1997; 177(2); 364- 9	File	ed 06/10/	20 F	Page	Y (Contraception; Poly Feb; 49(2): 101-0-110)
Other potential risk factors for rupture	Previous c-section	Previous c-section; use of additional uterotonic agents (other than miso)	None reported	None reported	None reported	Use of additional uterotonic agents (other than miso)	None reported	None reported	None reported
Pregnancy GA	NR	NR	NR	NR	NR	NR	NR	NR	NR
Indication	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	Induction of labor	NR	Induction of labor	Induce abortion
Additional labor- inducing/ supporting meds	None	Oxytocin	None	None	None	Oxytocin	None	None	None
Miso, Mife, or Both	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso	Miso
Mater nal Age in Years	NR	NR	NR	NR	NR	NR	NR	NR	NR
FDA Initial Rec'd Date	3/16/2000	3/16/2000	11/3/2000	3/24/2000	2/26/2003	8/29/2003	2/17/2004	9/3/2004	8/17/1994
Versi on #	1	1		1	1	1	ī	1	1
MFR Ctrl#	000303- SK975	000303- SK972	001023- SK184	000317- SK642	2002104322 US	2003174061 US	2003151832 US	2004192837 US	940804SK7 36
FAERS Case #	3446014	3446016	3564654	3915894	3925983	4000087	4105973	4220701	5149230

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/s/

(b) (6)

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11/17/2015

RPM FILING REVIEW

(Including Memo of Filing Meeting)

To be completed for all new NDAs, BLAs, and Efficacy Supplements [except SE8 (labeling change with clinical data) and SE9 (manufacturing change with clinical data]

Application Information								
NDA # 20687 BLA#	NDA Supplement #: S- 020 BLA Supplement #: S-		Efficacy Supplement Category: New Indication (SE1) New Dosing Regimen (SE2) New Route Of Administration (SE3) Comparative Efficacy Claim (SE4) New Patient Population (SE5) Rx To OTC Switch (SE6) Accelerated Approval Confirmatory Study (SE7) Labeling Change With Clinical Data (SE8) Manufacturing Change With Clinical Data (SE9) Animal Rule Confirmatory Study (SE10)					
Proprietary Name: Mifepre Established/Proper Name: Dosage Form: tablet Strengths: 200 mg		·						
Applicant: Danco Laborato Agent for Applicant (if app								
Date of Application: May 2 Date of Receipt: May 29, 2 Date clock started after UN	28, 2015 2015							
PDUFA/BsUFA Goal Date	Witness Committee of the Committee of th	Action Goal D	ate (if different):					
Filing Date: July 28, 2015	. Water 25, 2010	A COLUMN TO THE PARTY OF THE PA	Meeting: July 10, 2015					
Chemical Classification (or Type 1- New Molecular E	ntity (NME); NME and dient; New Active Ingo n; New Dosage Form a or New Manufacturer rketed without Approv Switch	d New Combinati redient and New I and New Combina	on Dosage Form; New Active Ingredient and New ation					
Type of Original NDA:			505(b)(1)					
AND (if applicable Type of NDA Supplement:)		☐ 505(b)(2) ☐ 505(b)(1) ☑ 505(b)(2)					
If 505(b)(2): Draft the "505(b http://inside.fda.gov:9003/CDER/Off								

Type of BLA				51(a)		
If 251/h) matify the OND Thompsoutic Pi	ologies and Piecimilans Teas		∐ 35	51(k)		
If 351(k), notify the OND Therapeutic Bio Review Classification:	ologics and biosimilars Team	m	⊠ s	tandard	ĺ	
Teview Chassification.			(riority		
The application will be a priority review ij		2 1. 12	3			
 A complete response to a pediatri 			3 TO 1	ediatric	WR	
included (a partial response to a the labeling should also be a prio				IDP		
The product is a Qualified Infect	And the second s	The state of the s			Disease Priority	
A Tropical Disease Priority Reviews	and the state of t	,	The second second	w Vouc		
A Pediatric Rare Disease Priority		itted		w Vouc	Rare Disease Priority	
Resubmission after withdrawal?	Resubmis	ssion a				
Part 3 Combination Product?	Convenience kit/Co-pa					
petrological and constructive transfer and analysis of the Late of the State of the	Pre-filled drug deliver			em (sy	ringe, patch, etc.)	
If yes, contact the Office of	Pre-filled biologic del	ivery d	levice/	system	(syringe, patch, etc.)	
Combination Products (OCP) and copy	Device coated/impreg					
them on all Inter-Center consults	Device coated/impreg					
	Separate products requ	uiring	cross-la	abeling		
	Drug/Biologic	11		11.1	·	
	Possible combination	based	on cros	ss-label	ing of separate	
	products Other (drug/device/bid	ologica	1 produ	net)		
	Other (drug/device/ore	ologica	ii prod	uct)		
Fast Track Designation	PMC response					
Breakthrough Therapy Designation	AC	(05(a)]				
(set the submission property in DARRTS and notify the CDER Breakthrough Therapy	FDAAA [505					
Program Manager)		erred pediatric studies (FDCA Section				
Rolling Review	505B)	approval confirmatory studies (21 CED				
Orphan Designation	314.510/21 CFR	approval confirmatory studies (21 CFR				
□ p . ome :.1 p !!			postmarketing studies to verify clinical			
Rx-to-OTC switch, Full Rx-to-OTC switch, Partial	benefit and safet					
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Direct-to-OTC						
Other:						
Collaborative Review Division (if OTC	product):					
List referenced IND Number(s):						
Goal Dates/Product Names/Classi	fication Properties	YES	NO	NA	Comment	
PDUFA/BsUFA and Action Goal dates		X		SALIDOVICA:	Security Control of March 1990	
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to the supporting IND(s) if not already entered into track	ing				
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classifications/properties entered into tracking system	ı (e a				
chemical classification, combination product classific					
orphan drug)? Check the New Application and New Sup					
Notification Checklists for a list of all classifications/proj	-				
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http://inside.fda.gov:9003/CDER/OfficeofBusinessProcessSupport/ucm	163969.ht				
<u>m</u>					
If no, ask the document room staff to make the appropria	ite				
entries.					
Application Integrity Policy		YES	NO	NA	Comment
Is the application affected by the Application Integrit	y Policy	01F - 75X	\boxtimes		
(AIP)? Check the AIP list at:					
http://www.fda.gov/ICECI/EnforcementActions/ApplicationIntegrityPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPolicyPo	olicy/default				
If yes, explain in comment column.					
ii yes, explain ii comment column.					
If affected by AIP, has OC been notified of the subn	nission?				
If yes, date notified:	11001011.				
User Fees	a a	YES	NO	NA	Comment
Is Form 3397 (User Fee Cover Sheet)/Form 3792 (Bi	osimilar	X		1,121	Comment
User Fee Cover Sheet) included with authorized sign.			12-27		
oser ree cover sheet) mended with authorized sign	uture.				
User Fee Status	Paymen	t for this	applic	ation (c	heck daily email from
1735 107 15 2	UserFee.	AR@fda.	hhs.gov):	
If a user fee is required and it has not been paid (and it	SAMO PARALLA SEGURA				
is not exempted or waived), the application is	X Paid				
unacceptable for filing following a 5-day grace period.		npt (orp			
Review stops. Send Unacceptable for Filing (UN) letter	(A)	23 17-71		busines	ss, public health)
and contact user fee staff.	Not :	required			
	Paymen	t of othe	r user f	ees:	
If the firm is in arrears for other fees (regardless of	⊠ Not	in arrear	S		
whether a user fee has been paid for this application),	In ar	rears			
the application is unacceptable for filing (5-day grace period does not apply). Review stops. Send UN letter	225 103				
and contact the user fee staff.					
User Fee Bundling Policy	Has the	user fee	bundli	ng polic	cy been appropriately
	200000 2000				re, consult the User
Refer to the guidance for industry, Submitting Separate	Fee Staf		V		
Marketing Applications and Clinical Data for Purposes	00				
of Assessing User Fees at:					
http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulator yInformation/Guidances/UCM079320.pdf	X Yes				
	and the state of t				
505(b)(2)		YES	NO	NA	Comment
(NDAs/NDA Efficacy Supplements only)			14 - 17 1		
Is the application a 505(b)(2) NDA? (Check the 356h f	Corm	X			

cover letter, and annotated lo questions below:	abeling). If yes, answer	r the bulleted					
	a duplicate of a listed d	leng and	 	\boxtimes			
	ander section 505(j) as		012-02				
	a duplicate of a listed d			\boxtimes			
	the extent to which the						
	oed or otherwise made						
	ss than that of the refer						
drug (RLD)? [see 21 (CFR 314.54(b)(1)].						
	a duplicate of a listed d	lrug whose	Sr = 10.	\boxtimes			
only difference is that the rate at which the proposed							
	dient(s) is absorbed or						
	f action is unintentional						
	[see 21 CFR 314.54(b						
If you answered yes to any o	of the above bulleted que	estions, the					
application may be refused j							
314.101(d)(9). Contact the 5							
Office of New Drugs for adv							
	clusivity on another list		70 00	\bowtie			
	e same active moiety (e	e.g., 5-year,					
3-year, orphan, or ped							
Check the Electronic Orang							
http://www.accessdata.fda.gov/scrip	pts/cder/ob/default.cfm						
If was please list below:							
III VES. DICASC HSL DCIOW.							
If yes, please list below: Application No.	Drug Name	Exclusivity Co	ode	Exc	usivity	Expiration	
	Drug Name	Exclusivity Co	ode	Exc	lusivity	Expiration	
	Drug Name	Exclusivity Co	ode	Exc	lusivity	Expiration	
	Drug Name	Exclusivity Co	ode	Exc	lusivity	Expiration	5 2 2
Application No.				0.0 0.0 0.0 0.0 -0.0 0.0 -0.0 0.0			e moiety,
	exclusivity remaining on	another listed a	drug prod	uct cont	aining t	he same activ	
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certification.	exclusivity remaining on not be submitted until the ation; then an application	another listed a period of exclu n can be submit	drug prod sivity exp ted four y	uct cont ires (un	aining to	he same activ applicant prov ate of approva	vides ıl.)
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extended.	exclusivity remaining on not be submitted until the ation; then an application end both of the timeframe	another listed a period of exclu n can be submit es in this provis	drug prod sivity exp ted four y ion by 6 n	uct cont ires (un ears aft	aining to less the de er the do	he same active applicant prova ate of approva 314.108(b)(2)	vides ıl.)
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extend Unexpired, 3-year exclusivity	exclusivity remaining on not be submitted until the ation; then an application end both of the timeframe	another listed a period of exclu n can be submit es in this provis	drug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths.	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extunded Unexpired, 3-year exclusivity Exclusivity	exclusivity remaining on not be submitted until the ation; then an application end both of the timeframe y may block the approval	another listed a period of exclu- n can be submit es in this proviss l but not the sub	drug prod sivity exp ted four y ion by 6 n mission o	uct contires (universe afternonths of a 505(aining to less the de er the do	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extended unexpired, 3-year exclusivity Exclusivity Does another product (san	exclusivity remaining on not be submitted until the ation; then an application end both of the timeframe by may block the approval	another listed a period of exclu- n can be submit es in this provisal but not the sub-	drug prod sivity exp ted four y ion by 6 n mission o	uct cont ires (uni ears aft nonths.	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extunexpired, 3-year exclusivity Exclusivity Does another product (san exclusivity for the same in	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe by may block the approval me active moiety) have adication? Check the On	another listed a period of exclu- n can be submit es in this provisal but not the sub-	drug prod sivity exp ted four y ion by 6 n mission o	uct contires (universe afternonths of a 505(aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extunexpired, 3-year exclusivity Exclusivity Does another product (san exclusivity for the same in Designations and Approvals	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe by may block the approval me active moiety) have adication? Check the On	another listed a period of exclu- n can be submit es in this provisal but not the sub-	drug prod sivity exp ted four y ion by 6 n mission o	uct contires (universe afternonths of a 505(aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
Application No. If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extunexpired, 3-year exclusivity Exclusivity Does another product (same exclusivity for the same in Designations and Approvals http://www.accessdata.fda.gov/scrip	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe by may block the approvalue active moiety) have active moiety? Check the One is list at:	another listed a period of exclusion can be submit es in this provisal but not the submit orphan Drug	drug prod sivity exp ted four y ion by 6 n mission o	uct continues (universe (universe afternonths.) (for a 505)	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
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If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extend Unexpired, 3-year exclusivity Exclusivity Does another product (same exclusivity for the same in Designations and Approvals http://www.accessdata.fda.gov/scrip If another product has of considered to be the same	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe of may block the approvalue active moiety) have adication? Check the One sist at: pts/opdlisting/oopd/index.cfm orphan exclusivity, is to product according to the substantial and the product according to the substantial according	another listed a period of exclument can be submitted in this provised but not the substantial properties. The product the orphan	drug prod sivity exp ted four y ion by 6 n mission o	uct continues (universe (universe afternonths.) (for a 505)	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
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If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extend Unexpired, 3-year exclusivity Exclusivity Does another product (same exclusivity for the same in Designations and Approvals http://www.accessdata.fda.gov/scrip If another product has of considered to be the same drug definition of samenes. If yes, consult the Director, Office of Regulatory Policy	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe by may block the approvalue active moiety) have adication? Check the Or as list at: product according to the product of the condition of Regulatory I wision of Regulatory I	another listed a period of exclunction can be submitted in this provised but not the subsection of the product the product the orphan b)(13)]?	drug prod sivity exp ted four y ion by 6 n mission o	uct continues (universe (universe afternonths.) (for a 505)	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
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If there is unexpired, 5-year a 505(b)(2) application cann paragraph IV patent certifice Pediatric exclusivity will extend Unexpired, 3-year exclusivity Exclusivity Does another product (same exclusivity for the same in Designations and Approvals http://www.accessdata.fda.gov/scrip If another product has occupied to be the same drug definition of sameness If yes, consult the Director, Office of Regulatory Policy NDAs/NDA efficacy supplements	exclusivity remaining on not be submitted until the ation; then an application and both of the timeframe by may block the approvalue active moiety) have ndication? Check the One is list at: application of Regulatory I plements only: Has the	another listed a period of exclument can be submitted in this provised but not the substantial properties or phaner phane	drug prod sivity exp ted four y ion by 6 n mission o	nuct contires (un. ears aftinonths f a 505)	aining to less the de er the de 21 CFR b)(2) ap	he same active applicant prova ate of approva 314.108(b)(2) plication.	vides nl.)).
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Final data and the state of the				
therefore, requesting exclusivity is not required.				
NDAs only : Is the proposed product a single enantiomer of a	910	10		
racemic drug previously approved for a different therapeutic				
use?				
If yes, did the applicant: (a) elect to have the single				
enantiomer (contained as an active ingredient) not be			1	
considered the same active ingredient as that contained in an				
already approved racemic drug, and/or (b): request				
exclusivity pursuant to section 505(u) of the Act (per				
FDAAA Section 1113)?				
TDAAA Section 1115):				
If yes, contact the Orange Book Staff (CDER-Orange Book				
Staff).				
BLAs only: Has the applicant requested 12-year exclusivity				
under section 351(k)(7) of the PHS Act?	015 - 753	Dis Tex		
tilidel section 331(k)(7) of the FH3 Act?				
76 acc notify. (b) (6)				
If yes, notify (b) (c)				
Note: Exclusivity requests may be made for an original BLA				
submitted under Section 351(a) of the PHS Act (i.e., a biological				
reference product). A request may be located in Module 1.3.5.3				
and/or other sections of the BLA and may be included in a				
supplement (or other correspondence) if exclusivity has not been				
previously requested in the original 351(a) BLA. An applicant can				
receive exclusivity without requesting it; therefore, requesting				
exclusivity is not required.				
T 2 10 1				
Format and Conte	0.010.00			2
				for COL)
D		electro		
Do not check mixed submission if the only electronic component	Mi	xed (pa	per/ele	ctronic)
is the content of labeling (COL).				
	\Box CT	D		
	100000000000000000000000000000000000000	n-CTD		
	Mi	xed (C)	TD/non	-CTD)
If mixed (paper/electronic) submission, which parts of the	415 03			
application are submitted in electronic format?				
Overall Format/Content	YES	NO	NA	Comment
If electronic submission, does it follow the eCTD			X	And an international control (1966)
guidance? ¹	FR-97	N-27	0.00	
If not, explain (e.g., waiver granted).				
Index: Does the submission contain an accurate	\boxtimes			
comprehensive index?				
	\boxtimes			
Is the submission complete as required under 21 CFR 314.50				l
(ND 4-/ND 4 -00	39 (28	***		
(NDAs/NDA efficacy supplements) or under 21 CFR 601.2 (BLAs/BLA efficacy supplements) including:	30 - 63	VII- V.		

 $\underline{http://www\ fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm072349.}\\ \underline{pdf}$

☐ legible ☐ English (or translated into English) ☐ pagination ☐ navigable hyperlinks (electronic submissions only) If no, explain. BLAs only: Companion application received if a shared or				
divided manufacturing arrangement?				
If yes, BLA #				
	Hi H			
Forms and Certifications				
Electronic forms and certifications with electronic signatures (scanne.g., /s/) are acceptable. Otherwise, paper forms and certifications w Forms include: user fee cover sheet (3397/3792), application form (disclosure (3454/3455), and clinical trials (3674); Certifications increatification(s), field copy certification, and pediatric certification.	rith hand- 356h), pa	written s tent info	signatur ormation	es must be included. n (3542a), financial
Application Form	YES	NO	NA	Comment
Is form FDA 356h included with authorized signature per 21	\boxtimes			
CFR 314.50(a)? If foreign applicant, a U.S. agent must sign the form [see 21 CFR				
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)].				
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed				
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form?	VES	□ NO	10 30	Comment
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information	YES	NO	NA NA	Comment
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form?	YES	NO	10 30	Comment
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)?			NA 🖂	
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)?	YES	NO NO	NA	Comment
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and	YES	NO	NA 🖂	
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies that are the basis for approval.	YES	NO 🖂	NA NA	Comment
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies that are the basis for approval. Clinical Trials Database	YES YES	NO	NA 🖂	
If foreign applicant, a U.S. agent must sign the form [see 21 CFR 314.50(a)(5)]. Are all establishments and their registration numbers listed on the form/attached to the form? Patent Information (NDAs/NDA efficacy supplements only) Is patent information submitted on form FDA 3542a per 21 CFR 314.53(c)? Financial Disclosure Are financial disclosure forms FDA 3454 and/or 3455 included with authorized signature per 21 CFR 54.4(a)(1) and (3)? Forms must be signed by the APPLICANT, not an Agent [see 21 CFR 54.2(g)]. Note: Financial disclosure is required for bioequivalence studies that are the basis for approval.	YES	NO 🖂	NA NA	Comment

	55	8		
If no, ensure that language requesting submission of the form is				
included in the acknowledgement letter sent to the applicant				1
Debarment Certification	YES	NO	NA	Comment
Is a correctly worded Debarment Certification included with		Ш	\boxtimes	
authorized signature?				
Certification is not required for supplements if submitted in the original application; If foreign applicant, both the applicant and				
the U.S. Agent must sign the certification [per Guidance for				
Industry: Submitting Debarment Certifications].				
Note: Debarment Certification should use wording in FD&C Act				
Section 306(k)(1) i.e., "[Name of applicant] hereby certifies that it				
did not and will not use in any capacity the services of any person debarred under section 306 of the Federal Food, Drug, and				
Cosmetic Act in connection with this application." Applicant may				
not use wording such as, "To the best of my knowledge"				
Field Copy Certification	YES	NO	NA	Comment
(NDAs/NDA efficacy supplements only)		(0.0000	161 (161 (160)	Control of the State of the Sta
For paper submissions only: Is a Field Copy Certification			\boxtimes	
(that it is a true copy of the CMC technical section) included?			540	
Field Copy Certification is not needed if there is no CMC				
technical section or if this is an electronic submission (the Field				
Office has access to the EDR)				
If maroon field copy jackets from foreign applicants are received,				
return them to CDR for delivery to the appropriate field office.				
Controlled Substance/Product with Abuse Potential	YES	NO	NA	Comment
For NMEs:			\boxtimes	
Is an Abuse Liability Assessment, including a proposal for				
scheduling, submitted per 21 CFR 314.50(d)(5)(vii)?				
If yes, date consult sent to the Controlled Substance Staff:				
For non-NMEs:				
Date of consult sent to Controlled Substance Staff:				
n. 1: 4.:	MEG	NO	NTA	C
Pediatrics	YES	NO	NA	Comment
PREA				
Does the application trigger PREA?	\boxtimes			
	Vol. 1985	20 04		
If yes, notify PeRC@fda.hhs.gov to schedule required PeRC				
meeting ²				
Note: NDAs/BLAs/efficacy supplements for new active ingredients		8	,	

 $\underline{http://inside\ fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/PediatricandMaternalHealthStaff/uc} \underline{m027829\ htm}$

²

(including new fixed combinations), new indications, new dosage forms, new dosing regimens, or new routes of administration	20			
trigger PREA. All waiver & deferral requests, pediatric plans, and pediatric assessment studies must be reviewed by PeRC prior to				
approval of the application/supplement.				
		K 2		
If the application triggers PREA, is there an agreed Initial Pediatric Study Plan (iPSP)?	1			
If no, may be an RTF issue - contact DPMH for advice.	4			
If required by the agreed iPSP, are the pediatric studies outlined			\times	
in the agreed iPSP completed and included in the application?		22 - 24	3	
If no, may be an RTF issue - contact DPMH for advice.				
BPCA:				
Is this submission a complete response to a pediatric Written		\boxtimes		
Request?				
If yes, notify Pediatric Exclusivity Board RPM (pediatric				
exclusivity determination is required) ³				
Proprietary Name	YES	NO	NA	Comment
Is a proposed proprietary name submitted?		\boxtimes		
	19-29	FR.—32	(B)—(B)	
If yes, ensure that the application is also coded with the				
supporting document category, "Proprietary Name/Request for				
Review."				
REMS	YES	NO	NA	Comment
Is a REMS submitted?	\boxtimes			
If yes, send consult to OSE/DRISK and notify OC/				
OSI/DSC/PMSB via the CDER OSI RMP mailbox Description Labeling	No.	t appli	cable	
Prescription Labeling Check all types of labeling submitted.				ot)
Check an types of faceting submitted.			nsert (F	
	1000000			Insert (PPI)
	100 0000			Jse (IFU)
				e (MedGuide)
	2.00	rton lab		
			e conta	iner labels
	75 00 765000	luent		
	Ot	her (spe	ecify)	
	YES	NO	NA	Comment
Is Electronic Content of Labeling (COL) submitted in SPL		\boxtimes		
format?				
If no, request applicant to submit SPL before the filing date.	24			

 $\underline{http://inside\ fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/PediatricandMaternalHealthStaff/uc} \underline{m027837\ htm}$

³

Is the PI submitted in PLR format? ⁴				
If PI not submitted in PLR format, was a waiver or deferral requested before the application was received or in the submission? If requested before application was submitted, what is the status of the request?				
If no waiver or deferral, request applicant to submit labeling in PLR format before the filing date.	57.	į.		
For applications submitted on or after June 30, 2015: Is the PI submitted in PLLR format? ⁵			\boxtimes	
For applications submitted on or after June 30, 2015: If PI not submitted in PLLR format, was a waiver or deferral requested before the application was received or in the submission? If requested before application was submitted, what is the status of the request? If no waiver or deferral, request applicant to submit labeling in PLR/PLLR format before the filing date.		VI - 6X		
All labeling (PI, PPI, MedGuide, IFU, carton and immediate container labels) consulted to OPDP?		Dia di		
MedGuide, PPI, IFU (plus PI) consulted to OSE/DRISK? (send WORD version if available)				
Carton and immediate container labels, PI, PPI sent to OSE/DMEPA and appropriate CMC review office in OPQ (OBP or ONDP)?				
OTC Labeling	⊠ No	t Appl	icable	
Check all types of labeling submitted.	Out Inn Bli Bli Cor Phy Cor Oth	ter carte mediate ster car ster bac nsumer vsician nsumer ner (spe	on label contain d king la Inform sample sample cify)	ner label bel ation Leaflet (CIL)
	YES	NO	NA	Comment
Is electronic content of labeling (COL) submitted?		1 10		
If no, request in 74-day letter.				
Are annotated specifications submitted for all stock keeping units (SKUs)?	012 - 51X	015 - 6:X		

4

 $\underline{http://inside\ fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/StudyEndpoints and LabelingDevelopmentTeam/ucm025576\ htm}$

 $\frac{http://inside\ fda.gov:9003/CDER/OfficeofNewDrugs/ImmediateOffice/StudyEndpoints and LabelingDevelopmentTeam/ucm025576\ htm}{}$

Case 8:20-cv-01320-TDC Document 62-9 Filed 06/10/20 Page 76 of 84

The account in 74 day letter	52 52	, and the second		
If no, request in 74-day letter. If representative labeling is submitted, are all represented				
SKUs defined?				
SIIOS delined.				
If no, request in 74-day letter.	15			
All labeling/packaging sent to OSE/DMEPA?				
Other Consults	YES	NO	NA	Comment
Are additional consults needed? (e.g., IFU to CDRH; QT				
study report to QT Interdisciplinary Review Team)				
If yes, specify consult(s) and date(s) sent:				
Meeting Minutes/SPAs	YES	NO	NA	Comment
Meeting Minutes/SPAs End-of Phase 2 meeting(s)?	YES	NO	NA	Comment
	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s):	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)?	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s):	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s): If yes, distribute minutes before filing meeting	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s): If yes, distribute minutes before filing meeting Any Special Protocol Assessments (SPAs)?	YES		NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s): If yes, distribute minutes before filing meeting	YES	NO	NA	Comment
End-of Phase 2 meeting(s)? Date(s): If yes, distribute minutes before filing meeting Pre-NDA/Pre-BLA/Pre-Supplement meeting(s)? Date(s): If yes, distribute minutes before filing meeting Any Special Protocol Assessments (SPAs)?	YES		NA	Comment

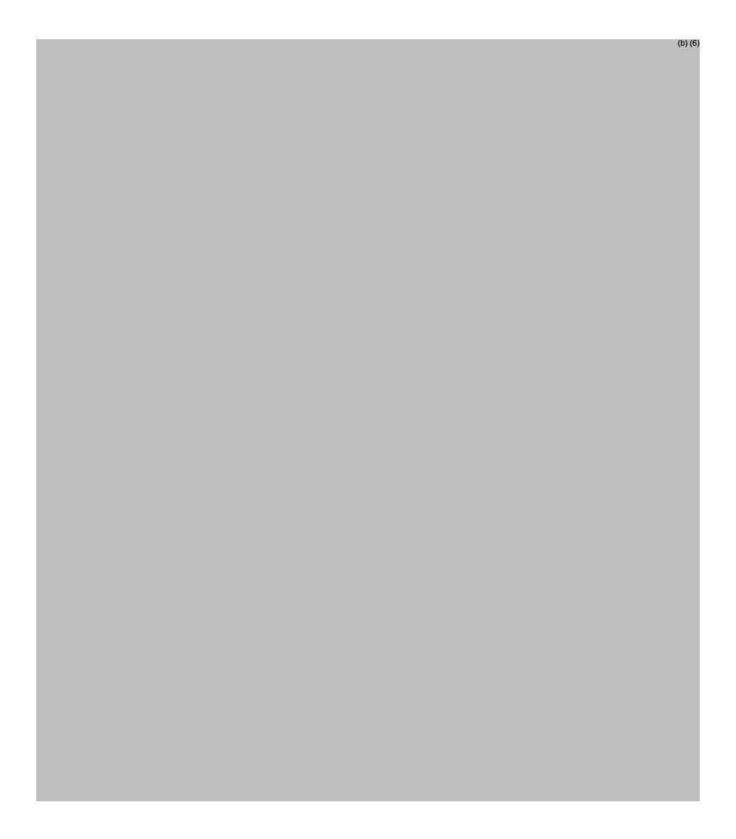
ATTACHMENT

MEMO OF FILING MEETING

DATE:	
BACKGROUND:	

REV	LEW	TEAN	1:
_			

Discipline/Organization	Names	Present at filing meeting? (Y or N)
		(b) (6)



ILING M	MEETING DISCUSSION:	
GENERA		☐ Not Applicable
ENERA	L .	☐ Not Applicable ☐ YES ⊠ NO
ENERA 505(b)	L (2) filing issues: Is the application for a duplicate of a listed drug and eligible for approval under section	10 - 20 1

X YES

NO

Not Applicable

No comments

described in published literature):

Electronic Submission comments

translation?

If no, explain:

List comments:

Per reviewers, are all parts in English or English

CLINICAL	☐ Not Applicable
	FILE
	REFUSE TO FILE
Comments:	Review issues for 74-day letter
Clinical study site(s) inspections(s) needed?	☐ YES ⋈ NO
If no, explain: literature review	
Advisory Committee Meeting needed?	YES
Comments:	Date if known: NO
Comments:	To be determined
If no, for an NME NDA or original BLA, include the	Reason:
reason. For example: o this drug/biologic is not the first in its class	
 the clinical study design was acceptable 	
 the application did not raise significant safety or efficacy issues 	
 the application did not raise significant public 	
health questions on the role of the	
drug/biologic in the diagnosis, cure, mitigation, treatment or prevention of a	
disease	
	Not Applicable
If the application is affected by the AIP, has the division made a recommendation regarding whether	
or not an exception to the AIP should be granted to	NO NO
permit review based on medical necessity or public	
health significance?	
Community	
Comments:	
CONTROLLED SUBSTANCE STAFF	
Abuse Liability/Potential	FILE
	REFUSE TO FILE
Comments:	Review issues for 74-day letter
CLINICAL MICDODIOLOGY	Not Applicable
CLINICAL MICROBIOLOGY	
	REFUSE TO FILE
Comments:	Review issues for 74-day letter
I	I .

CL DWG LL BILL BALL GOL O CV	
CLINICAL PHARMACOLOGY	Not Applicable
	FILE
	REFUSE TO FILE
Comments:	Review issues for 74-day letter
Clinical pharmacology study site(s) inspections(s)	☐ YES
needed?	NO NO
nouse.	
BIOSTATISTICS	☐ Not Applicable
	FILE
	REFUSE TO FILE
	Review issues for 74-day letter
Comments:	
NONCHRIGAT	
NONCLINICAL	Not Applicable
(PHARMACOLOGY/TOXICOLOGY)	FILE
	REFUSE TO FILE
	Daview issues for 74 day letter
C	Review issues for 74-day letter
Comments:	
PRODUCT QUALITY (CMC)	Not Applicable
TRODUCT QUALITY (CMC)	FILE
	REFUSE TO FILE
	KEI OSE TO TIEE
Comments:	Review issues for 74-day letter
New Molecular Entity (NDAs only)	
La the and duet on NIMES	□ VEC
• Is the product an NME?	∐ YES ⊠ NO
	INO NO
Environmental Assessment	
	_
Categorical exclusion for environmental assessment	□ YES
(EA) requested?	⊠ NO
If no, was a complete EA submitted?	☐ YES
	⊠ NO
Comments:	
Facility Inspection	
i delity inspection	NA TOUT IPPROGUE
• Establishment(s) ready for inspection?	YES
25 monominant(5) ready for hispection.	☐ NO
Comments:	
COMMINGER.	

Fac	cility/Microbiology Review (BLAs only)	\boxtimes	Not Applicable
			FILE
		Ш	REFUSE TO FILE
Co	mments:		Review issues for 74-day letter
CN	IC Labeling Review (BLAs only)		
Co	mments:	П	Review issues for 74-day letter
			3
	PLICATIONS IN THE PROGRAM (PDUFA V)	\boxtimes	N/A
(NI	ME NDAs/Original BLAs)		
•	Were there agreements made at the application's	П	YES
	pre-submission meeting (and documented in the		NO
	minutes) regarding certain late submission		
	components that could be submitted within 30 days after receipt of the original application?		
	after receipt of the original application:		
•	If so, were the late submission components all		YES
	submitted within 30 days?	Ш	NO
•	What late submission components, if any, arrived		
	after 30 days?		
•	Was the application otherwise complete upon		YES
	submission, including those applications where there		NO
	were no agreements regarding late submission components?		
	components:		
•	Is a comprehensive and readily located list of all		YES
	clinical sites included or referenced in the		NO
	application?		
	Is a comprehensive and readily located list of all		YES
•	Is a comprehensive and readily located list of all manufacturing facilities included or referenced in the		NO
	application?		

	REGULATORY PROJECT MANAGEMENT
Signat	ory Authority: (b) (6)
Date o	f Mid-Cycle Meeting (for NME NDAs/BLAs in "the Program" PDUFA V):
21st Co	entury Review Milestones (see attached) (listing review milestones in this document is al):
Comm	nents:
	REGULATORY CONCLUSIONS/DEFICIENCIES
	The application is unsuitable for filing. Explain why:
\boxtimes	The application, on its face, appears to be suitable for filing.
	Review Issues:
	 □ No review issues have been identified for the 74-day letter. □ Review issues have been identified for the 74-day letter.
	Review Classification:
	
S	ACTION ITEMS
2	Ensure that any updates to the review priority (S or P) and classifications/properties are entered into the electronic archive (e.g., chemical classification, combination product classification, orphan drug).
	If RTF, notify everyone who already received a consult request, OSE PM, and RBPM
	If filed, and the application is under AIP, prepare a letter either granting (for signature by Center Director) or denying (for signature by ODE Director) an exception for review.
	If priority review, notify applicant in writing by day 60 (see CST for choices)
	Send review issues/no review issues by day 74
	Conduct a PLR format labeling review and include labeling issues in the 74-day letter
	Update the PDUFA V DARRTS page (for applications in the Program)
	Other

Annual review of template by OND ADRAs completed: September 2014

This is a representation of an electronic record that was signed electronically and this page is the manifestation of the electronic signature.

/s/

07/10/2015

FDA 0792